

RFPPF

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Chapter 1

RFPPF

RF-Networks Protocol Parser Framework

LICENSE

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Changelog

- **3.0.0** - First version
- **3.0.2** - Check-In message voltage fix
 - Check-In message voltage byte(15) is divided to 62.5
- **3.0.3** - Old protocol tag periodic message fix
 - Old protocol tag periodic message max voltage raised up to 5V
- **3.0.4** - GPIO sensor message change
 - GPIO sensor message added trigger mask and value mask
- **3.0.5** - GPS message added
 - Receiver GPS message added
- **3.0.6** - Old protocol receiver configuration message fix
 - Receiver Configuration message bugfix
- **3.0.7** - Old protocol receiver configuration messages added
 - Receiver Configuration Voltage, External Voltage, Temperature messages added
 - Receiver Modem Voltage message added
- **3.0.8** - Old protocol receiver configuration messages fix
 - Receiver Configuration message bugfix
- **3.0.9** - Old protocol receiver configuration external voltage messages fix
 - Receiver Configuration External voltage message DataSize exception fix bugfix

- **3.0.10** - Minor bugfixes
 - Minor bugfixes
- **3.0.11** - Old protocol receiver configuration temperature messages fix
 - Receiver Configuration Temperature message DataSize exception fix bugfix (old versions of radio)
- **3.0.12** - Java version fix
 - Java version bugfixes
- **3.0.13** - New message types added
 - Mesh BME280 message changed
 - Mesh GPIO16, Analog3 messages added
- **3.0.14** - Message factory fix for RFM protocol
 - ParseMeshMessage function added
- **3.0.15** - Bugfixes
 - Minor bugfixes and Mesh message ToString function implemented
- **3.0.16** - Bugfixes
 - Mesh protocol parsing bugfix
- **3.0.17** - Mesh scheduler messages
 - Mesh scheduler messages implementation
 - Minor bugfixes
- **3.0.18** - Mesh scheduler event messages
 - Mesh scheduler event messages implementation
- **3.0.19** - Bugfix
 - Mesh set scheduler messages parsing bugfix
- **3.0.20** - Bugfix
 - Java version fixes
- **3.0.21** - DS18B20 Sensor Bugfix
 - DS18B20 Sensor mesh message size fixes
- **3.0.22** - DS18B20 Sensor Bugfix
 - DS18B20 Sensor mesh message temperature fixes
- **3.0.23** - Bugfix
 - Minor bugfixes
- **3.0.24** - DiagnosticTestInfoMessage change
 - DiagnosticTestInfoMessage structure change
- **3.0.25** - DiagnosticTestInfoMessage fixes
 - DiagnosticTestInfoMessage fixes

- **3.0.26** - TesterCommandMessage fix
 - TesterCommandMessage fix
- **3.0.27** - TagAveragePulsesPerSecondMessage added
 - TagAveragePulsesPerSecondMessage message type added
- **3.0.28** - Old protocol parser fix
 - Old protocol parser fix
- **3.0.29** - TagAveragePulsesPerSecondMessage change
 - TagAveragePulsesPerSecondMessage message structure change (Voltage removed)
- **3.0.30** - TagAveragePulsesPerSecondMessage Java fix
 - TagAveragePulsesPerSecondMessage message Java fix

Chapter 2

Namespace Index

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Hierarchical Index

3.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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Data Structure Index

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Chapter 5

Namespace Documentation

5.1 RFPPF Namespace Reference

5.2 RFPPF.Common Namespace Reference

Data Structures

- class [ProtocolEventArgs](#)
This class represents RFPPF event arguments
- class [ProtocolMessage](#)
Abstract class representing basic protocol message functionality
- class [ProtocolParser](#)
Abstract class representing basic protocol parser functionality
- class [RFPPFHelper](#)
This class contains helper methods

5.3 RFPPF.Messages Namespace Reference

Data Structures

- class [ErrorMessage](#)
This class represents protocol Error message
- class [MessageFactory](#)
This class is used for generating message instances and implement factory design pattern

5.4 RFPPF.Messages.GPRS Namespace Reference

Data Structures

- class [GPRSMessages](#)
This class implements basic RF-Networks Mesh protocol

5.5 RFPPF.Messages.OldProtocol Namespace Reference

Data Structures

- class [ReceiverAcknowledgeMessage](#)
This class represents protocol Receiver device acknowledge message
- class [ReceiverConfigurationExternalVoltageMessage](#)
This class represents protocol Receiver device configuration external voltage message
- class [ReceiverConfigurationMessage](#)
This class represents protocol Receiver device configuration message
- class [ReceiverConfigurationTemperatureMessage](#)
This class represents protocol Receiver device configuration temperature message
- class [ReceiverConfigurationVoltageMessage](#)
This class represents protocol Receiver device configuration voltage message
- class [ReceiverGPSMessage](#)
This class represents protocol Receiver device GPS message
- class [ReceiverInformativeMessage](#)
This class represents protocol Receiver device informative message
- class [ReceiverMessage](#)
This class represents protocol Receiver device message
- class [ReceiverModemVoltageMessage](#)
This class represents protocol Receiver device GPS message
- class [ReceiverPowerAlertMessage](#)
This class represents protocol Receiver device power alert message
- class [ReceiverSendSMSMessage](#)
This class represents protocol Receiver device send SMS message
- class [ReceiverTransientMessage](#)
This class represents protocol Receiver device transient message
- class [TagActivateMessage](#)
This class represents protocol Tag device activate type message
- class [TagAgroMessage](#)
This class represents protocol Tag device agro type message
- class [TagAnalogCounterMessage](#)
This class represents protocol Tag device analog counter type message
- class [TagAnalogMessage](#)
This class represents protocol Tag device analog type message
- class [TagAngleCalibrationMessage](#)
This class represents protocol Tag device angle calibration type message
- class [TagAngleCalibrationRecalibrationMessage](#)
This class represents protocol Tag device angle calibration recalibration type message
- class [TagAngleMessage](#)
This class represents protocol Tag device angle type message
- class [TagAveragePulsesPerSecondMessage](#)
This class represents protocol Tag device average pulses per seconds type message
- class [TagCounterMessage](#)
This class represents protocol Tag device counter type message
- class [TagDistanceMessage](#)
This class represents protocol Tag device distance type message
- class [TagIButtonMessage](#)
This class represents protocol Tag device IButton type message

- class [TagMagnetDetectionGPIO8Message](#)
This class represents protocol Tag device magnet detection GPIO 8 type message
- class [TagMessage](#)
This class represents protocol Tag device message
- class [TagMovementAverageMessage](#)
This class represents protocol Tag device movement avarage type message
- class [TagMovementMessage](#)
This class represents protocol Tag device movement type message
- class [TagNoMovementMessage](#)
This class represents protocol Tag device no movement type message
- class [TagPeriodicMessage](#)
This class represents protocol Tag device periodic type message
- class [TagPressureMessage](#)
This class represents protocol Tag device pressure type message
- class [TagProductionMessage](#)
This class represents protocol Tag device production type message
- class [TagPushButtonGPIO8Message](#)
This class represents protocol Tag device push button GPIO 8 type message
- class [TagPushButtonGPIO9Message](#)
This class represents protocol Tag device push button GPIO 9 type message
- class [TagTemperatureMessage](#)
This class represents protocol Tag device temperature type message
- class [TagTemperatureRHMessage](#)
This class represents protocol Tag device TemperatureRH type message

5.6 RFPPF.Messages.RFM Namespace Reference

Data Structures

- class [RFMMessage](#)
This class implements basic RF-Networks Mesh protocol

5.7 RFPPF.Messages.RFM.Configuration Namespace Reference

Data Structures

- class [ConfigureMessage](#)
This class implements RF-Networks Mesh protocol configuration message
- class [GetRegisterRequestMessage](#)
This class implements RF-Networks Mesh protocol get register request message
- class [GetRegisterResponseMessage](#)
This class implements RF-Networks Mesh protocol get register response message
- class [GetTimeRequestMessage](#)
This class implements RF-Networks Mesh protocol get time request message
- class [GetTimeResponseMessage](#)
This class implements RF-Networks Mesh protocol get time response message
- class [SetRegisterRequestMessage](#)
This class implements RF-Networks Mesh protocol set register request message
- class [SetRegisterResponseMessage](#)
This class implements RF-Networks Mesh protocol set register response message
- class [TesterCommandMessage](#)
This class implements RF-Networks Mesh protocol tester command message

5.8 RFPPF.Messages.RFM.Data Namespace Reference

Data Structures

- class [DataRawInMessage](#)
This class implements RF-Networks Mesh protocol raw data input message
- class [DataSensorMessage](#)
This class implements RF-Networks Mesh protocol data sensor message
- class [SensorRecord](#)
This class implements RF-Networks Mesh protocol sensor record

5.9 RFPPF.Messages.RFM.Data.SensorMessages Namespace Reference

Data Structures

- class [AccelerometerSensorMessage](#)
This class implements RF-Networks Mesh protocol Accelerometer sensor message
- class [Analog3SensorMessage](#)
This class implements RF-Networks Mesh protocol Analog3 sensor message
- class [AnalogSensorMessage](#)
This class implements RF-Networks Mesh protocol Analog sensor message
- class [BME280SensorMessage](#)
This class implements RF-Networks Mesh protocol BME280 sensor message
- class [DS18B20SensorMessage](#)
This class implements RF-Networks Mesh protocol DS18B20 sensor message
- class [GPIO16SensorMessage](#)
This class implements RF-Networks Mesh protocol GPIO16 sensor message
- class [GPISensorMessage](#)
This class implements RF-Networks Mesh protocol GPIO sensor message
- class [SI7021SensorMessage](#)
This class implements RF-Networks Mesh protocol SI7021 sensor message

5.10 RFPPF.Messages.RFM.Diagnostic Namespace Reference

Data Structures

- class [DiagnosticBinaryMessage](#)
This class implements RF-Networks Mesh protocol diagnostic binary message
- class [DiagnosticGetShortAddressMessage](#)
This class implements RF-Networks Mesh protocol diagnostic get short address message
- class [DiagnosticGetShortAddressResponseMessage](#)
This class implements RF-Networks Mesh protocol diagnostic get short address response message
- class [DiagnosticMessage](#)
This class implements RF-Networks Mesh protocol diagnostic message
- class [DiagnosticTestInfoMessage](#)
This class implements RF-Networks Mesh protocol diagnostic unit information message

5.11 RFPPF.Messages.RFM.Event Namespace Reference

Data Structures

- class [AssociationRequestEventMessage](#)
This class implements RF-Networks Mesh protocol association request event message
- class [CheckInEventMessage](#)
This class implements RF-Networks Mesh protocol check-in event message
- class [ErrorEventMessage](#)
This class implements RF-Networks Mesh protocol error event message
- class [EventMessage](#)
This class implements RF-Networks Mesh protocol event message
- class [SchedulerExecutedEventMessage](#)
This class implements RF-Networks Mesh protocol scheduler executed event message

5.12 RFPPF.Messages.RFM.Scheduler Namespace Reference

Data Structures

- class [GetSchedulerRequestMessage](#)
This class implements RF-Networks Mesh protocol get scheduler request message
- class [GetSchedulerResponseMessage](#)
This class implements RF-Networks Mesh protocol get scheduler response message
- class [SchedulerMessage](#)
This class implements RF-Networks Mesh protocol scheduler message
- class [SetSchedulerRequestMessage](#)
This class implements RF-Networks Mesh protocol set scheduler request message
- class [SetSchedulerResponseMessage](#)
This class implements RF-Networks Mesh protocol set scheduler response message

5.13 RFPPF.Parsers Namespace Reference

Data Structures

- class [GPRSParser](#)
This class implements RF-Networks GPRS protocol parser
- class [RFMeshParser](#)
This class implements RF-Networks Mesh protocol parser

Chapter 6

Data Structure Documentation

6.1 RFPPF.Messages.RFM.Data.SensorMessages.Accelerometer SensorMessage Class Reference

This class implements RF-Networks Mesh protocol Accelerometer sensor message

Inherits [RFPPF.Messages.RFM.Data.DataSensorMessage](#).

Public Types

- enum [Orientations](#)
Accelerometer orientations

Public Member Functions

- [AccelerometerSensorMessage \(\)](#)
Default constructor
- [AccelerometerSensorMessage \(AccelerometerSensorMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override void [Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- override string [ToString \(\)](#)
String representation of the message

Properties

- [Orientations Orientation \[get, set\]](#)
Orientation

6.1.1 Detailed Description

This class implements RF-Networks Mesh protocol Accelerometer sensor message

6.1.2 Member Enumeration Documentation

6.1.2.1 Orientations

```
enum RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.Orientations [strong]
```

Accelerometer orientations

6.1.3 Constructor & Destructor Documentation

6.1.3.1 AccelerometerSensorMessage() [1/2]

```
RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.AccelerometerSensorMessage ( ) [inline]
```

Default constructor

6.1.3.2 AccelerometerSensorMessage() [2/2]

```
RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.AccelerometerSensorMessage ( AccelerometerSensorMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	AccelerometerSensorMessageBuilder
----------------	-----------------------------------

References RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.Orientation, RFPPF.Messages.RFM.Data.DataSensorMessage.SensorType, and RFPPF.Messages.RFM.RFMMessages.Version.

6.1.4 Member Function Documentation

6.1.4.1 Parse()

```
override void RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.Parse ( byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<code>data</code>	Message as bytes array
-------------------	------------------------

Overrides [RFMMessage.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.1.4.2 `ToString()`

```
override string RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.ToString ( )
[inline]
```

String representation of the message

Returns

References [RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.Orientation](#).

6.1.5 Property Documentation

6.1.5.1 `Orientation`

```
Orientation RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.Orientation
[get], [set]
```

Orientation

Referenced by [RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.AccelerometerSensorMessage\(\)](#), and [RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.ToString\(\)](#).

6.2 RFPPF.Messages.RFM.Data.SensorMessages.Analog3Sensor Message Class Reference

This class implements RF-Networks Mesh protocol Analog3 sensor message

Inherits [RFPPF.Messages.RFM.Data.DataSensorMessage](#).

Public Member Functions

- [Analog3SensorMessage \(\)](#)
Default constructor
- [Analog3SensorMessage \(Analog3SensorMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [ushort AnalogA \[get, set\]](#)
Analog A
- [ushort AnalogB \[get, set\]](#)
Analog B
- [ushort Battery \[get, set\]](#)
Battery Voltage (mV)

6.2.1 Detailed Description

This class implements RF-Networks Mesh protocol Analog3 sensor message

6.2.2 Constructor & Destructor Documentation

6.2.2.1 Analog3SensorMessage() [1/2]

```
RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage::Analog3SensorMessage() [inline]
```

Default constructor

6.2.2.2 Analog3SensorMessage() [2/2]

```
RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage::Analog3SensorMessage(
    Analog3SensorMessageBuilder builder) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	Analog3SensorMessageBuilder builder
----------------------	-------------------------------------

References RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.AnalogA, RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.AnalogB, RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Battery, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Data.SensorMessage.SensorType, and RFPPF.Messages.RFM.RFMMessages.Version.

6.2.3 Member Function Documentation

6.2.3.1 Parse()

```
override void RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Parse (
    byte[] data) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.2.3.2 ToString()

```
override string RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.ToString () [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.AnalogA, RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.AnalogB, and RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Battery.

6.2.4 Property Documentation

6.2.4.1 AnalogA

```
ushort RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.AnalogA [get], [set]
```

Analog A

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Analog3SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.ToString().

6.2.4.2 AnalogB

```
ushort RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.AnalogB [get], [set]
```

Analog B

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Analog3SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.ToString().

6.2.4.3 Battery

```
ushort RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Battery [get], [set]
```

Battery Voltage (mV)

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Analog3SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.ToString().

6.3 RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage Class Reference

This class implements RF-Networks Mesh protocol Analog sensor message

Inherits [RFPPF.Messages.RFM.Data.DataSensorMessage](#).

Public Member Functions

- [AnalogSensorMessage \(\)](#)
Default constructor
- [AnalogSensorMessage \(AnalogSensorMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- ushort **AnalogA** [get, set]
Analog A
- ushort **AnalogB** [get, set]
Analog B
- float **Voltage** [get]
External Voltage

6.3.1 Detailed Description

This class implements RF-Networks Mesh protocol Analog sensor message

6.3.2 Constructor & Destructor Documentation

6.3.2.1 AnalogSensorMessage() [1/2]

```
RFFPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogSensorMessage ( ) [inline]
```

Default constructor

6.3.2.2 AnalogSensorMessage() [2/2]

```
RFFPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogSensorMessage ( 
    AnalogSensorMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	AnalogSensorMessageBuilder
----------------	----------------------------

References RFFPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogA, RFFPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogB, RFFPF.Messages.RFM.RFMMessages.MessageNumber, RFFPF.Messages.RFM.Data.DataSensorMessage.SensorType, and RFFPF.Messages.RFM.RFMMessages.MessageVersion.

6.3.3 Member Function Documentation

6.3.3.1 Parse()

```
override void RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.3.3.2 ToString()

```
override string RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogA, RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogB, and RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.Voltage.

6.3.4 Property Documentation

6.3.4.1 AnalogA

```
ushort RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogA [get], [set]
```

Analog A

Referenced by [RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogSensorMessage\(\)](#), and [RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.ToString\(\)](#).

6.3.4.2 AnalogB

```
ushort RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogB [get], [set]
```

Analog B

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogSensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.ToString().

6.3.4.3 Voltage

```
float RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.Voltage [get]
```

External Voltage

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.ToString().

6.4 RFPPF.Messages.RFM.Event.AssociationRequestEventMessage Class Reference

This class implements RF-Networks Mesh protocol association request event message

Inherits [RFPPF.Messages.RFM.Event.EventMessage](#).

Public Member Functions

- [AssociationRequestEventMessage \(\)](#)
Default constructor
- [AssociationRequestEventMessage \(AssociationRequestEventMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Properties

- [sbyte RSSI \[get, set\]](#)
RSSI
- [uint DeviceLongID \[get, set\]](#)
Device long ID
- [bool? IsLowPower \[get, set\]](#)
Is low power mode enabled
- [bool? IsEndPoint \[get, set\]](#)
Is end point
- [ushort ErrorCode \[get, set\]](#)
Error code
- [byte LastAction \[get, set\]](#)
Last action
- [override DateTime TS \[get, set\]](#)
Timestamp
- [ushort ResetCounter \[get, set\]](#)
Reset counter

Additional Inherited Members

6.4.1 Detailed Description

This class implements RF-Networks Mesh protocol association request event message

6.4.2 Constructor & Destructor Documentation

6.4.2.1 AssociationRequestEventMessage() [1/2]

```
RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage ( )
[inline]
```

Default constructor

6.4.2.2 AssociationRequestEventMessage() [2/2]

```
RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage (
    AssociationRequestEventMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	AssociationRequestEventMessageBuilder	builder
----------------	---------------------------------------	---------

References RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.DeviceLongID, RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.ErrorCode, RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.IsEndPoint, RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.IsLowPower, RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.LastAction, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.ResetCounter, RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.RSSI, RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.TS, and RFPPF.Messages.RFM.RFMMessages.Version.

6.4.3 Member Function Documentation

6.4.3.1 Parse()

```
override void RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<code>data</code>	Message as bytes array
-------------------	------------------------

Overrides [RFMMessage.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.4.4 Property Documentation

6.4.4.1 RSSI

`sbyte RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.RSSI [get], [set]`

RSSI

Referenced by [RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage\(\)](#).

6.4.4.2 DeviceLongID

`uint RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.DeviceLongID [get], [set]`

Device long ID

Referenced by [RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage\(\)](#).

6.4.4.3 IsLowPower

`bool? RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.IsLowPower [get], [set]`

Is low power mode enabled

Referenced by [RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage\(\)](#).

6.4.4.4 IsEndPoint

```
bool? RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.IsEndPoint [get], [set]
```

Is end point

Referenced by RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage().

6.4.4.5 ErrorCode

```
ushort RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.ErrorCode [get], [set]
```

Error code

Referenced by RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage().

6.4.4.6 LastAction

```
byte RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.LastAction [get], [set]
```

Last action

Referenced by RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage().

6.4.4.7 TS

```
override DateTime RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.TS [get], [set]
```

Timestamp

Referenced by RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage().

6.4.4.8 ResetCounter

```
ushort RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.ResetCounter [get], [set]
```

Reset counter

Referenced by RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage().

6.5 RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage Class Reference

This class implements RF-Networks Mesh protocol BME280 sensor message

Inherits [RFPPF.Messages.RFM.Data.DataSensorMessage](#).

Public Member Functions

- [BME280SensorMessage \(\)](#)
Default constructor
- [BME280SensorMessage \(BME280SensorMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [float Temperature \[get, set\]](#)
Temperature
- [float Humidity \[get, set\]](#)
Humidity
- [float Pressure \[get, set\]](#)
Pressure

6.5.1 Detailed Description

This class implements RF-Networks Mesh protocol BME280 sensor message

6.5.2 Constructor & Destructor Documentation

6.5.2.1 BME280SensorMessage() [1/2]

`RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.BME280SensorMessage ()` [inline]

Default constructor

6.5.2.2 BME280SensorMessage() [2/2]

`RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.BME280SensorMessage (BME280SensorMessageBuilder builder)` [inline]

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	BME280SensorMessageBuilder builder
----------------	------------------------------------

References RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Humidity, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Pressure, RFPPF.Messages.RFM.Data.DataSensorMessage.SensorType, RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Temperature, and RFPPF.Messages.RFM.RFMMessages.Version.

6.5.3 Member Function Documentation

6.5.3.1 Parse()

```
override void RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.5.3.2 ToString()

```
override string RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Humidity, RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Pressure, and RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Temperature.

6.5.4 Property Documentation

6.5.4.1 Temperature

```
float RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Temperature [get], [set]
```

Temperature

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.BME280SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.ToString().

6.5.4.2 Humidity

```
float RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Humidity [get], [set]
```

Humidity

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.BME280SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.ToString().

6.5.4.3 Pressure

```
float RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.Pressure [get], [set]
```

Pressure

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.BME280SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.ToString().

6.6 RFPPF.Messages.RFM.Event.CheckInEventMessage Class Reference

This class implements RF-Networks Mesh protocol check-in event message

Inherits [RFPPF.Messages.RFM.Event.EventMessage](#).

Public Member Functions

- [CheckInEventMessage \(\)](#)
Default constructor
- [CheckInEventMessage \(CheckInEventMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Properties

- uint `DeviceLongID` [get, set]
Device long ID
- ushort `DeviceShortID` [get, set]
Device short ID
- bool? `IsLowPower` [get, set]
Is low power mode enabled
- sbyte `RSSI` [get, set]
RSSI
- ushort `SWType` [get, set]
Software type
- byte `VersionBuild` [get, set]
Version Build
- byte `VersionMin` [get, set]
Version Minor
- byte `VersionMaj` [get, set]
Version Major
- sbyte `ParentRSSI` [get, set]
Parent RSSI
- byte `SuperFrame` [get, set]
SuperFrame
- float `Voltage` [get, set]
Voltage
- byte `ChildrenNum` [get, set]
Childrens number
- uint `ParentLongID` [get, set]
Parent device long ID
- ushort `ParentShortID` [get, set]
Parent device short ID
- override DateTime `TS` [get, set]
Timestamp
- byte `UpdateStatus` [get, set]
Update status

Additional Inherited Members

6.6.1 Detailed Description

This class implements RF-Networks Mesh protocol check-in event message

6.6.2 Constructor & Destructor Documentation

6.6.2.1 CheckInEventMessage() [1/2]

```
RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage ( ) [inline]
```

Default constructor

6.6.2.2 CheckInEventMessage() [2/2]

```
RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage (
    CheckInEventMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	CheckInEventMessageMessageBuilder builder
----------------	---

References RFPPF.Messages.RFM.Event.CheckInEventMessage.ChildrenNum, RFPPF.Messages.RFM.Event.CheckInEventMessage.DeviceLongID, RFPPF.Messages.RFM.Event.CheckInEventMessage.DeviceShortID, RFPPF.Messages.RFM.Event.CheckInEventMessage.IsLowPower, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Event.CheckInEventMessage.ParentLongID, RFPPF.Messages.RFM.Event.CheckInEventMessage.ParentRSSI, RFPPF.Messages.RFM.Event.CheckInEventMessage.ParentShortID, RFPPF.Messages.RFM.Event.CheckInEventMessage.RSSI, RFPPF.Messages.RFM.Event.CheckInEventMessage.SuperFrame, RFPPF.Messages.RFM.Event.CheckInEventMessage.SWType, RFPPF.Messages.RFM.Event.CheckInEventMessage.TS, RFPPF.Messages.RFM.Event.CheckInEventMessage.UpdateStatus, RFPPF.Messages.RFM.RFMMessages.Version, RFPPF.Messages.RFM.Event.CheckInEventMessage.VersionBuild, RFPPF.Messages.RFM.Event.CheckInEventMessage.VersionMaj, RFPPF.Messages.RFM.Event.CheckInEventMessage.VersionMin, and RFPPF.Messages.RFM.Event.CheckInEventMessage.Voltage.

6.6.3 Member Function Documentation

6.6.3.1 Parse()

```
override void RFPPF.Messages.RFM.Event.CheckInEventMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.6.4 Property Documentation

6.6.4.1 DeviceLongID

```
uint RFPPF.Messages.RFM.Event.CheckInEventMessage.DeviceLongID [get], [set]
```

Device long ID

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.2 DeviceShortID

```
ushort RFPPF.Messages.RFM.Event.CheckInEventMessage.DeviceShortID [get], [set]
```

Device short ID

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.3 IsLowPower

```
bool? RFPPF.Messages.RFM.Event.CheckInEventMessage.IsLowPower [get], [set]
```

Is low power mode enabled

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.4 RSSI

```
sbyte RFPPF.Messages.RFM.Event.CheckInEventMessage.RSSI [get], [set]
```

RSSI

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.5 SWType

```
ushort RFPPF.Messages.RFM.Event.CheckInEventMessage.SWType [get], [set]
```

Software type

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.6 VersionBuild

```
byte RFPPF.Messages.RFM.Event.CheckInEventMessage.VersionBuild [get], [set]
```

Version Build

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.7 VersionMin

```
byte RFPPF.Messages.RFM.Event.CheckInEventMessage.VersionMin [get], [set]
```

Version Minor

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.8 VersionMaj

```
byte RFPPF.Messages.RFM.Event.CheckInEventMessage.VersionMaj [get], [set]
```

Version Major

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.9 ParentRSSI

```
sbyte RFPPF.Messages.RFM.Event.CheckInEventMessage.ParentRSSI [get], [set]
```

Parent RSSI

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.10 SuperFrame

```
byte RFPPF.Messages.RFM.Event.CheckInEventMessage.SuperFrame [get], [set]
```

SuperFrame

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.11 Voltage

```
float RFPPF.Messages.RFM.Event.CheckInEventMessage.Voltage [get], [set]
```

Voltage

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.12 ChildrenNum

```
byte RFPPF.Messages.RFM.Event.CheckInEventMessage.ChildrenNum [get], [set]
```

Childrens number

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.13 ParentLongID

```
uint RFPPF.Messages.RFM.Event.CheckInEventMessage.ParentLongID [get], [set]
```

Parent device long ID

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.14 ParentShortID

```
ushort RFPPF.Messages.RFM.Event.CheckInEventMessage.ParentShortID [get], [set]
```

Parent device short ID

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.15 TS

```
override DateTime RFPPF.Messages.RFM.Event.CheckInEventMessage.TS [get], [set]
```

Timestamp

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.6.4.16 UpdateStatus

byte RFPPF.Messages.RFM.Event.CheckInEventMessage.UpdateStatus [get], [set]

Update status

Referenced by RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage().

6.7 RFPPF.Messages.RFM.Configuration.ConfigureMessage Class Reference

This class implements RF-Networks Mesh protocol configuration message

Inherits [RFPPF.Messages.RFM.RFMMessages](#).

Inherited by [RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage](#), [RFPPF.Messages.RFM.Configuration.GetRegisterRFPPF.Messages.RFM.Configuration.GetTimeRequestMessage](#), [RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage](#), [RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage](#), [RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage](#) and [RFPPF.Messages.RFM.Configuration.TesterCommandMessage](#).

Additional Inherited Members

6.7.1 Detailed Description

This class implements RF-Networks Mesh protocol configuration message

This class should be inherited by all configuration type messages

6.8 RFPPF.Messages.RFM.Data.DataRawInMessage Class Reference

This class implements RF-Networks Mesh protocol raw data input message

Inherits [RFPPF.Messages.RFM.Data.DataInMessage](#).

Public Member Functions

- [DataRawInMessage \(\)](#)
Default constructor
- [DataRawInMessage \(DataRawInMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Properties

- [byte\[\]? Data \[get, set\]](#)
Raw data

6.8.1 Detailed Description

This class implements RF-Networks Mesh protocol raw data input message

6.8.2 Constructor & Destructor Documentation

6.8.2.1 DataRawInMessage() [1/2]

RFPPF.Messages.RFM.Data.DataRawInMessage.DataRawInMessage () [inline]

Default constructor

References RFPPF.Messages.RFM.RFMMessages.body, RFPPF.Messages.RFM.RFMMessages.header, and RFPPF.Messages.RFM.RFMMessages.MessageType.

6.8.2.2 DataRawInMessage() [2/2]

```
RFPPF.Messages.RFM.Data.DataRawInMessage.DataRawInMessage ( DataRawInMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

builder DataMessageInMessageBuilder builder

References RFPPF.Messages.RFM.Data.DataRawInMessage.Data, RFPPF.Messages.RFM.RFMMessages, and RFPPF.Messages.RFM.RFMMessages.Version.

6.8.3 Member Function Documentation

6.8.3.1 Parse()

```
override void RFFPF.Messages.RFM.Data.DataRawInMessage.Parse ( byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<code>data</code>	Message as bytes array
-------------------	------------------------

Overrides [RFMMessage.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.8.4 Property Documentation

6.8.4.1 Data

```
byte [ ]? RFPPF.Messages.RFM.Data.DataRawInMessage.Data [get], [set]
```

Raw data

Referenced by [RFPPF.Messages.RFM.Data.DataRawInMessage\(\)](#).

6.9 RFPPF.Messages.RFM.Data.DataSensorMessage Class Reference

This class implements RF-Networks Mesh protocol data sensor message

Inherits [RFPPF.Messages.RFM.Data.DataInMessage](#).

Inherited by [RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage](#), and [RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage](#).

Public Member Functions

- [DataSensorMessage \(\)](#)

Default constructor

Properties

- [SensorTypes SensorType \[get, set\]](#)
Sensor type
- [List< SensorRecord > SensorRecords \[get\]](#)
Sensor records

6.9.1 Detailed Description

This class implements RF-Networks Mesh protocol data sensor message

6.9.2 Constructor & Destructor Documentation

6.9.2.1 DataSensorMessage()

```
RFPPF.Messages.RFM.Data.DataSensorMessage ( ) [inline]
```

Default constructor

6.9.3 Property Documentation

6.9.3.1 SensorType

```
SensorTypes RFPPF.Messages.RFM.Data.DataSensorMessage.SensorType [get], [set]
```

Sensor type

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.AccelerometerSensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Analog3SensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogSensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.BME280SensorMessage(), RFPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.DS18B20SensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.GPIO16SensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.GPIOSensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.SI7021SensorMessage().

6.9.3.2 SensorRecords

```
List<SensorRecord> RFPPF.Messages.RFM.Data.DataSensorMessage.SensorRecords [get]
```

Sensor records

6.10 RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage Class Reference

This class implements RF-Networks Mesh protocol diagnostic binary message

Inherits [RFPPF.Messages.RFM.RFMMessages](#).

Public Member Functions

- `DiagnosticBinaryMessage ()`
Default constructor
- `DiagnosticBinaryMessage (DiagnosticBinaryMessageBuilder builder)`
Parameterized constructor implementing builder design pattern
- `override void Parse (byte[] data)`
Parses bytes array to protocol message
- `override string ToString ()`
String representation of the message

Properties

- `byte[]? Data [get, set]`
Diagnostic message

Additional Inherited Members

6.10.1 Detailed Description

This class implements RF-Networks Mesh protocol diagnostic binary message

6.10.2 Constructor & Destructor Documentation

6.10.2.1 DiagnosticBinaryMessage() [1/2]

RFFPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.DiagnosticBinaryMessage () [inline]

Default constructor

6.10.2.2 DiagnosticBinaryMessage() [2/2]

RFFPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.DiagnosticBinaryMessage (DiagnosticBinaryMessageBuilder builder) [inline]

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	DiagnosticBinaryMessageBuilder builder
----------------------	--

References RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.Data, RFPPF.Messages.RFM.RFMMessage.MessageNumber, and RFPPF.Messages.RFM.RFMMessages.Version.

6.10.3 Member Function Documentation

6.10.3.1 Parse()

```
override void RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<code>data</code>	Message as bytes array
-------------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.10.3.2 ToString()

```
override string RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References [RFPPF.Common.RFPPFHelper.ByteArrayToHexString\(\)](#), and [RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.Data](#).

6.10.4 Property Documentation

6.10.4.1 Data

```
byte [ ]? RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.Data [get], [set]
```

[Diagnostic](#) message

Referenced by [RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.DiagnosticBinaryMessage\(\)](#), and [RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.ToString\(\)](#).

6.11 RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddress ← Message Class Reference

This class implements RF-Networks Mesh protocol diagnostic get short address message

Inherits [RFPPF.Messages.RFM.RFMMessages](#).

Public Member Functions

- [DiagnosticGetShortAddressMessage \(\)](#)
Default constructor
- [DiagnosticGetShortAddressMessage \(DiagnosticGetShortAddressMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [uint DeviceID \[get, set\]](#)
Device ID
- [ushort Address \[get, set\]](#)
Address
- [ushort DestinationAddress \[get, set\]](#)
Destination address
- [ushort SuggestedAddress \[get, set\]](#)
Suggested address
- [bool? IsRouter \[get, set\]](#)
Is router flag

Additional Inherited Members

6.11.1 Detailed Description

This class implements RF-Networks Mesh protocol diagnostic get short address message

6.11.2 Constructor & Destructor Documentation

6.11.2.1 DiagnosticGetShortAddressMessage() [1/2]

```
RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DiagnosticGetShortAddress<-->
Message ( ) [inline]
```

Default constructor

6.11.2.2 DiagnosticGetShortAddressMessage() [2/2]

```
RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DiagnosticGetShortAddress<-->
Message (
    DiagnosticGetShortAddressMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	DiagnosticGetShortAddressMessageBuilder
----------------	---

References RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.Address, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DestinationAddress, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DeviceID, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.IsRouter, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.SuggestedAddress, and RFPPF.Messages.RFM.RFMMessages.Version.

6.11.3 Member Function Documentation

6.11.3.1 Parse()

```
override void RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.11.3.2 ToString()

```
override string RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.ToString ( )  
[inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.Address, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DestinationAddress, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DeviceID, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.IsRouter, and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.SuggestedAddress.

6.11.4 Property Documentation

6.11.4.1 DeviceID

```
uint RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DeviceID [get], [set]
```

Device ID

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DiagnosticGetShortAddressMessage(), and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.ToString().

6.11.4.2 Address

```
ushort RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.Address [get], [set]
```

Address

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DiagnosticGetShortAddressMessage(), and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.ToString().

6.11.4.3 DestinationAddress

```
ushort RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DestinationAddress [get], [set]
```

Destination address

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DiagnosticGetShortAddressMessage(), and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.ToString().

6.11.4.4 SuggestedAddress

```
ushort RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.SuggestedAddress [get],  
[set]
```

Suggested address

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DiagnosticGetShortAddressMessage(), and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.ToString().

6.11.4.5 IsRouter

```
bool? RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.IsRouter [get], [set]
```

Is router flag

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DiagnosticGetShortAddressMessage(), and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.ToString().

6.12 RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage Class Reference

This class implements RF-Networks Mesh protocol diagnostic get short address response message

Inherits [RFPPF.Messages.RFM.RFMessage](#).

Public Member Functions

- [DiagnosticGetShortAddressResponseMessage \(\)](#)
Default constructor
- [DiagnosticGetShortAddressResponseMessage \(DiagnosticGetShortAddressResponseMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [uint DeviceID \[get, set\]](#)
Device ID
- [ushort Address \[get, set\]](#)
Address
- [ushort DestinationAddress \[get, set\]](#)
Destination address
- [bool? IsRouter \[get, set\]](#)
Is router flag
- [ushort StoredAddress \[get, set\]](#)
Stored address

Additional Inherited Members

6.12.1 Detailed Description

This class implements RF-Networks Mesh protocol diagnostic get short address response message

6.12.2 Constructor & Destructor Documentation

6.12.2.1 DiagnosticGetShortAddressResponseMessage() [1/2]

```
RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DiagnosticGetShortAddressResponseMessage ( ) [inline]
```

Default constructor

6.12.2.2 DiagnosticGetShortAddressResponseMessage() [2/2]

```
RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DiagnosticGetShortAddressResponseMessage (
    DiagnosticGetShortAddressResponseMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	DiagnosticGetShortAddressResponseMessageBuilder
----------------	---

References RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.Address, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DestinationAddress, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DeviceID, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.IsRouter, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.StoredAddress, and RFPPF.Messages.RFM.RFMMessages.Version.

6.12.3 Member Function Documentation

6.12.3.1 Parse()

```
override void RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessage.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.12.3.2 ToString()

```
override string RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.ToString () [inline]
```

String representation of the message

Returns

References [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.Address](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DestinationAddress](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DeviceID](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.IsRouter](#), and [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.StoredAddress](#).

6.12.4 Property Documentation

6.12.4.1 DeviceID

```
uint RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DeviceID [get],  
[set]
```

Device ID

Referenced by [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DiagnosticGetShortAddressResponseMessage\(\)](#), and [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.ToString\(\)](#).

6.12.4.2 Address

```
ushort RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.Address [get],  
[set]
```

Address

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.Diagnostic←
GetShortAddressResponseMessage(), and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddress←
ResponseMessage.ToString().

6.12.4.3 DestinationAddress

```
ushort RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.Destination←  
Address [get], [set]
```

Destination address

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.Diagnostic←
GetShortAddressResponseMessage(), and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddress←
ResponseMessage.ToString().

6.12.4.4 IsRouter

```
bool? RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.IsRouter [get],  
[set]
```

Is router flag

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.Diagnostic←
GetShortAddressResponseMessage(), and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddress←
ResponseMessage.ToString().

6.12.4.5 StoredAddress

```
ushort RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.StoredAddress  
[get], [set]
```

Stored address

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.Diagnostic←
GetShortAddressResponseMessage(), and RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddress←
ResponseMessage.ToString().

6.13 RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage Class Reference

This class implements RF-Networks Mesh protocol diagnostic message

Inherits [RFPPF.Messages.RFM.RFMMessages](#).

Public Member Functions

- [DiagnosticMessage \(\)](#)
Default constructor
- [DiagnosticMessage \(DiagnosticMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [string? Message \[get, set\]](#)
Diagnostic message

Additional Inherited Members

6.13.1 Detailed Description

This class implements RF-Networks Mesh protocol diagnostic message

6.13.2 Constructor & Destructor Documentation

6.13.2.1 DiagnosticMessage() [1/2]

`RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.DiagnosticMessage () [inline]`

Default constructor

6.13.2.2 DiagnosticMessage() [2/2]

`RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.DiagnosticMessage (DiagnosticMessageBuilder builder) [inline]`

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	DiagnosticMessageBuilder builder
----------------	----------------------------------

References RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.Message, RFPPF.Messages.RFM.RFM<→Message.MessageNumber, and RFPPF.Messages.RFM.RFMMessages.Version.

6.13.3 Member Function Documentation

6.13.3.1 Parse()

```
override void RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.Parse (
    byte[] data) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.13.3.2 ToString()

```
override string RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.ToString() [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.Message.

6.13.4 Property Documentation

6.13.4.1 Message

`string? RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.Message [get], [set]`

Diagnostic message

Referenced by `RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.DiagnosticMessage()`, and `RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.ToString()`.

6.14 RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage Class Reference

This class implements RF-Networks Mesh protocol diagnostic unit information message

Inherits [RFPPF.Messages.RFM.RFMMessages](#).

Public Member Functions

- `DiagnosticTestInfoMessage ()`
Default constructor
- `DiagnosticTestInfoMessage (DiagnosticTestInfoMessageBuilder builder)`
Parameterized constructor implementing builder design pattern
- `override void Parse (byte[] data)`
Parses bytes array to protocol message

Properties

- `DiagnosticInfo Info [get, set]`
Diagnostic information
- `float Voltage [get, set]`
Converted voltage

Additional Inherited Members

6.14.1 Detailed Description

This class implements RF-Networks Mesh protocol diagnostic unit information message

6.14.2 Constructor & Destructor Documentation

6.14.2.1 DiagnosticTestInfoMessage() [1/2]

`RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage.DiagnosticTestInfoMessage () [inline]`

Default constructor

6.14.2.2 DiagnosticTestInfoMessage() [2/2]

`RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage.DiagnosticTestInfoMessage (DiagnosticTestInfoMessageBuilder builder) [inline]`

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	DiagnosticTestInfoMessageBuilder builder
----------------	--

References RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage.Info, RFPPF.Messages.RFM.RFM<Message>.MessageNumber, and RFPPF.Messages.RFM.RFMMessage.Version.

6.14.3 Member Function Documentation

6.14.3.1 Parse()

```
override void RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.14.4 Property Documentation

6.14.4.1 Info

DiagnosticInfo RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage.Info [get], [set]

[Diagnostic](#) information

Referenced by RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage.DiagnosticTestInfoMessage().

6.14.4.2 Voltage

float RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage.Voltage [get], [set]

Converted voltage

6.15 RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage Class Reference

This class implements RF-Networks Mesh protocol DS18B20 sensor message

Inherits [RFPPF.Messages.RFM.Data.DataSensorMessage](#).

Public Member Functions

- [DS18B20SensorMessage \(\)](#)
Default constructor
- [DS18B20SensorMessage \(DS18B20SensorMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [float Temperature \[get, set\]](#)
Temperature

6.15.1 Detailed Description

This class implements RF-Networks Mesh protocol DS18B20 sensor message

6.15.2 Constructor & Destructor Documentation

6.15.2.1 DS18B20SensorMessage() [1/2]

`RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.DS18B20SensorMessage () [inline]`

Default constructor

6.15.2.2 DS18B20SensorMessage() [2/2]

`RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.DS18B20SensorMessage (DS18B20SensorMessageBuilder builder) [inline]`

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	DS18B20SensorMessageBuilder builder
----------------	-------------------------------------

References RFPPF.Messages.RFM.RFMMessages.DS18B20SensorMessage.Parse, RFPPF.Messages.RFM.Data.DataSensor, Message.SensorType, RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.Temperature, and RFPPF.Messages.RFM.RFMMessages.DS18B20SensorMessage.Version.

6.15.3 Member Function Documentation

6.15.3.1 Parse()

```
override void RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.15.3.2 ToString()

```
override string RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.Temperature.

6.15.4 Property Documentation

6.15.4.1 Temperature

```
float RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.Temperature [get], [set]
```

Temperature

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.DS18B20SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.ToString().

6.16 RFPPF.Messages.RFM.Event.ErrorEventMessage Class Reference

This class implements RF-Networks Mesh protocol error event message

Inherits [RFPPF.Messages.RFM.Event.EventMessage](#).

Public Member Functions

- [ErrorEventMessage \(\)](#)
Default constructor
- [ErrorEventMessage \(ErrorEventMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Properties

- [uint DeviceLongID \[get, set\]](#)
Device long ID
- [ushort ErrorCode \[get, set\]](#)
Error code
- [override DateTime TS \[get, set\]](#)
Timestamp

Additional Inherited Members

6.16.1 Detailed Description

This class implements RF-Networks Mesh protocol error event message

6.16.2 Constructor & Destructor Documentation

6.16.2.1 ErrorEventMessage() [1/2]

```
RFFPF.Messages.RFM.Event.ErrorEventMessage.ErrorEventMessage ( ) [inline]
```

Default constructor

6.16.2.2 ErrorEventMessage() [2/2]

```
RFFPF.Messages.RFM.Event.ErrorEventMessage.ErrorEventMessage (
    ErrorEventMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	ErrorEventMessageBuilder builder
----------------	----------------------------------

References RFPPF.Messages.RFM.Event.ErrorEventMessage.DeviceLongID, RFPPF.Messages.RFM.Event.ErrorEventMessage.ErrorCode, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Event.ErrorEventMessage.TS, and RFPPF.Messages.RFM.RFMMessages.Version.

6.16.3 Member Function Documentation

6.16.3.1 Parse()

```
override void RFPPF.Messages.RFM.Event.ErrorEventMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.16.4 Property Documentation

6.16.4.1 DeviceLongID

```
uint RFPPF.Messages.RFM.Event.ErrorEventMessage.DeviceLongID [get], [set]
```

Device long ID

Referenced by [RFPPF.Messages.RFM.Event.ErrorEventMessage.ErrorEventMessage\(\)](#).

6.16.4.2 ErrorCode

```
ushort RFPPF.Messages.RFM.Event.ErrorEventMessage.ErrorCode [get], [set]
```

Error code

Referenced by [RFPPF.Messages.RFM.Event.ErrorEventMessage.ErrorEventMessage\(\)](#).

6.16.4.3 TS

override DateTime RFPPF.Messages.RFM.Event.ErrorEventMessage.TS [get], [set]

Timestamp

Referenced by RFPPF.Messages.RFM.Event.ErrorEventMessage.ErrorEventMessage().

6.17 RFPPF.Messages.ErrorMessage Class Reference

This class represents protocol Error message

Inherits [RFPPF.Common.ProtocolMessage](#).

Public Member Functions

- [ErrorMessage \(\)](#)
Default constructor
- [ErrorMessage \(string description\)](#)
Parameterized constructor
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Data Fields

- [override byte\[\] Bytes => System.Text.Encoding.ASCII.GetBytes\(\[Description\]\(#\)\)](#)
Message bytes getter

Properties

- [string Description \[get, set\]](#)
Error description

6.17.1 Detailed Description

This class represents protocol Error message

6.17.2 Constructor & Destructor Documentation

6.17.2.1 ErrorMessage() [1/2]

RFPPF.Messages.ErrorMessage(ErrorMessage () [inline]

Default constructor

6.17.2.2 ErrorMessage() [2/2]

RFPPF.Messages.ErrorMessage(ErrorMessage (string description) [inline]

Parameterized constructor

Parameters

<i>description</i>	Error description
--------------------	-------------------

References RFPPF.Messages(ErrorMessage).Description.

6.17.3 Member Function Documentation

6.17.3.1 Parse()

```
override void RFPPF.Messages(ErrorMessage.Parse (
    byte[] data) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Implements [RFPPF.Common.ProtocolMessage](#).

References RFPPF.Messages(ErrorMessage).Description.

6.17.4 Field Documentation

6.17.4.1 Bytes

```
override byte[] RFPPF.Messages(ErrorMessage.Bytes => System.Text.Encoding.ASCII.GetBytes(Description)
```

Message bytes getter

6.17.5 Property Documentation

6.17.5.1 Description

```
string RFPPF.Messages(ErrorMessage.Description [get], [set]
```

Error description

Referenced by RFPPF.Messages(ErrorMessage).ErrorMessage(), RFPPF.Messages(ErrorMessage.Parse()), and RFPPF.Common.ProtocolParser.RetrieveBitStuffingMessageFromBuffer().

6.18 RFPPF.Messages.RFM.Event.EventMessage Class Reference

This class implements RF-Networks Mesh protocol event message

Inherits [RFPPF.Messages.RFM.RFMMessages](#).

Inherited by [RFPPF.Messages.RFM.Event.AssociationRequestEventMessage](#), [RFPPF.Messages.RFM.Event.CheckInEventMessage](#), [RFPPF.Messages.RFM.Event.ErrorEventMessage](#), and [RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage](#).

Additional Inherited Members

6.18.1 Detailed Description

This class implements RF-Networks Mesh protocol event message

This class should be inherited by all event type messages

6.19 RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage Class Reference

This class implements RF-Networks Mesh protocol get register request message

Inherits [RFPPF.Messages.RFM.Configuration.ConfigureMessage](#).

Public Member Functions

- [GetRegisterRequestMessage \(\)](#)
Default constructor
- [GetRegisterRequestMessage \(GetRegisterRequestMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [uint DeviceID \[get, set\]](#)
Device ID
- [ushort RegisterNumber \[get, set\]](#)
Register number

Additional Inherited Members

6.19.1 Detailed Description

This class implements RF-Networks Mesh protocol get register request message

6.19.2 Constructor & Destructor Documentation

6.19.2.1 GetRegisterRequestMessage() [1/2]

```
RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.GetRegisterRequestMessage ( ) [inline]
```

Default constructor

6.19.2.2 GetRegisterRequestMessage() [2/2]

```
RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.GetRegisterRequestMessage ( GetRegisterRequestMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	GetTimeResponseMessage <i>builder</i>
----------------	---

References [RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.DeviceID](#), [RFPPF.Messages.RFM.RFMMessages](#).MessageNumber, [RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.RegisterNumber](#), and [RFPPF.Messages.RFM.RFMMessages.Version](#).

6.19.3 Member Function Documentation

6.19.3.1 Parse()

```
override void RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.Parse ( byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.19.3.2 ToString()

```
override string RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.DeviceID, and RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.RegisterNumber.

6.19.4 Property Documentation

6.19.4.1 DeviceID

```
uint RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.DeviceID [get], [set]
```

Device ID

Referenced by RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.GetRegisterRequestMessage(), and RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.ToString().

6.19.4.2 RegisterNumber

```
ushort RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.RegisterNumber [get], [set]
```

Register number

Referenced by RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.GetRegisterRequestMessage(), and RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.ToString().

6.20 RFPPF.Messages.RFM.Configuration.GetRegisterResponse Message Class Reference

This class implements RF-Networks Mesh protocol get register response message

Inherits [RFPPF.Messages.RFM.Configuration.ConfigureMessage](#).

Public Member Functions

- [GetRegisterResponseMessage \(\)](#)
Default constructor
- [GetRegisterResponseMessage \(GetRegisterResponseMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [uint DeviceID \[get, set\]](#)
Device ID
- [ushort RegisterNumber \[get, set\]](#)
Register number
- [uint RegisterValue \[get, set\]](#)
Register value
- [MessageStatus Status \[get, set\]](#)
Status

Additional Inherited Members

6.20.1 Detailed Description

This class implements RF-Networks Mesh protocol get register response message

6.20.2 Constructor & Destructor Documentation

6.20.2.1 GetRegisterResponseMessage() [1/2]

```
RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.GetRegisterResponseMessage ( )  
[inline]
```

Default constructor

6.20.2.2 GetRegisterResponseMessage() [2/2]

```
RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.GetRegisterResponseMessage (   
    GetRegisterResponseMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	GetTimeResponseMessage builder
----------------	--

References RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.DeviceID, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.RegisterNumber, RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.RegisterValue, RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.Status, and RFPPF.Messages.RFM.RFMMessages.Version.

6.20.3 Member Function Documentation

6.20.3.1 Parse()

```
override void RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.20.3.2 ToString()

```
override string RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.DeviceID, RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.RegisterNumber, RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.RegisterValue, and RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.Status.

6.20.4 Property Documentation

6.20.4.1 DeviceID

```
uint RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.DeviceID [get], [set]
```

Device ID

Referenced by RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.GetRegisterResponseMessage(), and RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.ToString().

6.20.4.2 RegisterNumber

```
ushort RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.RegisterNumber [get], [set]
```

Register number

Referenced by RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.GetRegisterResponseMessage(), and RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.ToString().

6.20.4.3 RegisterValue

```
uint RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.RegisterValue [get], [set]
```

Register value

Referenced by RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.GetRegisterResponseMessage(), and RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.ToString().

6.20.4.4 Status

```
MessageStatus RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.Status [get], [set]
```

Status

Referenced by RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.GetRegisterResponseMessage(), and RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.ToString().

6.21 RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage Class Reference

This class implements RF-Networks Mesh protocol get scheduler request message

Inherits [RFPPF.Messages.RFM.Scheduler.SchedulerMessage](#).

Public Member Functions

- `GetSchedulerRequestMessage ()`
`Default constructor`
- `GetSchedulerRequestMessage (GetSchedulerRequestMessageBuilder builder)`
`Parameterized constructor implementing builder design pattern`
- `override void Parse (byte[] data)`
`Parses bytes array to protocol message`
- `override string ToString ()`
`String representation of the message`

Properties

- `uint DeviceID [get, set]`
`Device ID`
- `ushort SchedulerNumber [get, set]`
`Scheduler number`

Additional Inherited Members

6.21.1 Detailed Description

This class implements RF-Networks Mesh protocol get scheduler request message

6.21.2 Constructor & Destructor Documentation

6.21.2.1 GetSchedulerRequestMessage() [1/2]

RFFPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.GetSchedulerRequestMessage () [inline]

Default constructor

6.21.2.2 GetSchedulerRequestMessage() [2/2]

RFFPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.GetSchedulerRequestMessage (GetSchedulerRequestMessageBuilder builder) [inline]

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>GetSchedulerRequestMessage</code> builder
----------------------	---

References RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.DeviceID, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.SchedulerNumber, and RFPPF.Messages.RFM.RFMMessages.Version.

6.21.3 Member Function Documentation

6.21.3.1 Parse()

```
override void RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Reimplemented from [RFPPF.Messages.RFM.RFMMessages](#).

6.21.3.2 ToString()

```
override string RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.DeviceID, and RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.SchedulerNumber.

6.21.4 Property Documentation

6.21.4.1 DeviceID

```
uint RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.DeviceID [get], [set]
```

Device ID

Referenced by [RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.GetSchedulerRequestMessage\(\)](#), and [RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.ToString\(\)](#).

6.21.4.2 SchedulerNumber

ushort RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.SchedulerNumber [get], [set]

Scheduler number

Referenced by RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.GetSchedulerRequestMessage(), and RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.ToString().

6.22 RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage Class Reference

This class implements RF-Networks Mesh protocol get scheduler response message

Inherits [RFPPF.Messages.RFM.Scheduler.SchedulerMessage](#).

Public Member Functions

- [GetSchedulerResponseMessage \(\)](#)
Default constructor
- [GetSchedulerResponseMessage \(GetSchedulerResponseMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [uint DeviceID \[get, set\]](#)
Device ID
- [ushort SchedulerNumber \[get, set\]](#)
Scheduler number
- [MessageStatus Status \[get, set\]](#)
Status
- [DateTime SchedulerStartTime \[get, set\]](#)
Scheduler execution start time
- [TimeSpan SchedulerPeriod \[get, set\]](#)
Scheduler period in minutes
- [uint SchedulerNumberOfExecutions \[get, set\]](#)
Scheduler Number Of Executions
- [uint Command \[get, set\]](#)
Scheduler Command

Additional Inherited Members

6.22.1 Detailed Description

This class implements RF-Networks Mesh protocol get scheduler response message

6.22.2 Constructor & Destructor Documentation

6.22.2.1 GetSchedulerResponseMessage() [1/2]

```
RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage ( ) [inline]
```

Default constructor

References RFPPF.Messages.RFM.RFMMessages.body, RFPPF.Messages.RFM.RFMMessages.header, and RFPPF.Messages.RFM.RFMMessages.MessageType.

6.22.2.2 GetSchedulerResponseMessage() [2/2]

```
RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage ( GetSchedulerResponseMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	GetSchedulerResponseMessage builder
----------------------	-------------------------------------

References RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.Command, RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.DeviceID, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerNumber, RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerNumberOfExecutions, RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerPeriod, RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerStartTime, RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.Status, and RFPPF.Messages.RFM.RFMMessages.Version.

6.22.3 Member Function Documentation

6.22.3.1 Parse()

```
override void RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.Parse ( byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<code>data</code>	Message as bytes array
-------------------	------------------------

Overrides [RFMMessage.Parse\(byte\[\]\)](#) method

Reimplemented from [RFPPF.Messages.RFM.RFMMessage](#).

6.22.3.2 [ToString\(\)](#)

```
override string RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.Command](#), [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.DeviceID](#), [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.DeviceNumber](#), [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerNumber](#), [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerNumberOfExecutions](#), [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerPeriod](#), [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerStartTime](#), and [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.Status](#).

6.22.4 Property Documentation

6.22.4.1 [DeviceID](#)

```
uint RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.DeviceID [get], [set]
```

Device ID

Referenced by [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage\(\)](#), and [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.ToString\(\)](#).

6.22.4.2 [SchedulerNumber](#)

```
ushort RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerNumber [get], [set]
```

Scheduler number

Referenced by [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage\(\)](#), and [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.ToString\(\)](#).

6.22.4.3 Status

MessageStatus RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.Status [get], [set]

Status

Referenced by RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), and RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.ToString().

6.22.4.4 SchedulerStartTime

DateTime RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerStartTime [get], [set]

Scheduler execution start time

Referenced by RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), and RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.ToString().

6.22.4.5 SchedulerPeriod

TimeSpan RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerPeriod [get], [set]

Scheduler period in minutes

Referenced by RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), and RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.ToString().

6.22.4.6 SchedulerNumberOfExecutions

uint RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.SchedulerNumberOfExecutions [get], [set]

Scheduler Number Of Executions

Referenced by RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), and RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.ToString().

6.22.4.7 Command

uint RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.Command [get], [set]

Scheduler Command

Referenced by RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), and RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.ToString().

6.23 RFPPF.Messages.RFM.Configuration.GetTimeRequestMessage Class Reference

This class implements RF-Networks Mesh protocol get time request message

Inherits [RFPPF.Messages.RFM.Configuration.ConfigureMessage](#).

Public Member Functions

- [GetTimeRequestMessage \(\)](#)
Default constructor
- override string [ToString \(\)](#)
String representation of the message

Additional Inherited Members

6.23.1 Detailed Description

This class implements RF-Networks Mesh protocol get time request message

6.23.2 Constructor & Destructor Documentation

6.23.2.1 GetTimeRequestMessage()

```
RFPPF.Messages.RFM.Configuration.GetTimeRequestMessage::GetTimeRequestMessage() [inline]
```

Default constructor

6.23.3 Member Function Documentation

6.23.3.1 ToString()

```
override string RFPPF.Messages.RFM.Configuration.GetTimeRequestMessage::ToString() [inline]
```

String representation of the message

Returns

6.24 RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage Class Reference

This class implements RF-Networks Mesh protocol get time response message

Inherits [RFPPF.Messages.RFM.Configuration.ConfigureMessage](#).

Public Member Functions

- [GetTimeResponseMessage \(\)](#)
Default constructor
- [GetTimeResponseMessage \(GetTimeResponseMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [DateTime Time \[get, set\]](#)
System timestamp

Additional Inherited Members

6.24.1 Detailed Description

This class implements RF-Networks Mesh protocol get time response message

6.24.2 Constructor & Destructor Documentation

6.24.2.1 GetTimeResponseMessage() [1/2]

`RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.GetTimeResponseMessage () [inline]`

Default constructor

6.24.2.2 GetTimeResponseMessage() [2/2]

`RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.GetTimeResponseMessage (GetTimeResponseMessageBuilder builder) [inline]`

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	GetTimeResponseMessage builder
----------------	--

References RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.Time, and RFPPF.Messages.RFM.RFMMessages.Version.

6.24.3 Member Function Documentation

6.24.3.1 Parse()

```
override void RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.Parse (
    byte[] data) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.24.3.2 ToString()

```
override string RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.ToString () [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.Time.

6.24.4 Property Documentation

6.24.4.1 Time

DateTime RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.Time [get], [set]

System timestamp

Referenced by RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.GetTimeResponseMessage(), and RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.ToString().

6.25 RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage Class Reference

This class implements RF-Networks Mesh protocol GPIO16 sensor message

Inherits [RFPPF.Messages.RFM.Data.DataSensorMessage](#).

Public Member Functions

- [GPIO16SensorMessage \(\)](#)
Default constructor
- [GPIO16SensorMessage \(GPIO16SensorMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [ushort TriggerMask \[get, set\]](#)
Trigger Mask
- [ushort ValueMask \[get, set\]](#)
Value Mask

6.25.1 Detailed Description

This class implements RF-Networks Mesh protocol GPIO16 sensor message

6.25.2 Constructor & Destructor Documentation

6.25.2.1 GPIO16SensorMessage() [1/2]

```
RFFPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.GPIO16SensorMessage ( ) [inline]
```

Default constructor

6.25.2.2 GPIO16SensorMessage() [2/2]

```
RFFPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.GPIO16SensorMessage ( GPIO16SensorMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	GPIOSensorMessageBuilder builder
----------------	----------------------------------

References RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Data.DataSensorMessage.SensorType, RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.TriggerMask, RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.ValueMask, and RFPPF.Messages.RFM.RFMMessages.Version.

6.25.3 Member Function Documentation

6.25.3.1 Parse()

```
override void RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.Parse ( byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.25.3.2 ToString()

```
override string RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.TriggerMask, and RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.ValueMask.

6.25.4 Property Documentation

6.25.4.1 TriggerMask

```
ushort RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.TriggerMask [get], [set]
```

Trigget Mask

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.GPIO16SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.ToString().

6.25.4.2 ValueMask

```
ushort RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.ValueMask [get], [set]
```

Value Mask

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.GPIO16SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.ToString().

6.26 RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage Class Reference

This class implements RF-Networks Mesh protocol GPIO sensor message

Inherits [RFPPF.Messages.RFM.Data.DataSensorMessage](#).

Public Member Functions

- [GPIOSensorMessage \(\)](#)
Default constructor
- [GPIOSensorMessage \(GPIOSensorMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- byte `TriggerMask` [get, set]
Trigget Mask
- byte `ValueMask` [get, set]
Value Mask

6.26.1 Detailed Description

This class implements RF-Networks Mesh protocol GPIO sensor message

6.26.2 Constructor & Destructor Documentation

6.26.2.1 `GPIOSensorMessage()` [1/2]

```
RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.GPIOSensorMessage ( ) [inline]
```

Default constructor

6.26.2.2 `GPIOSensorMessage()` [2/2]

```
RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.GPIOSensorMessage (  
    GPIOSensorMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>GPIOSensorMessageBuilder</code> builder
----------------------	---

References `RFPPF.Messages.RFM.RFMMessages.MessageNumber`, `RFPPF.Messages.RFM.Data.DataSensorMessage.SensorType`, `RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.TriggerMask`, `RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.ValueMask`, and `RFPPF.Messages.RFM.RFMMessages.Version`.

6.26.3 Member Function Documentation

6.26.3.1 Parse()

```
override void RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.26.3.2 ToString()

```
override string RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References [RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.TriggerMask](#), and [RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.ValueMask](#).

6.26.4 Property Documentation

6.26.4.1 TriggerMask

```
byte RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.TriggerMask [get], [set]
```

Trigget Mask

Referenced by [RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.GPIOSensorMessage\(\)](#), and [RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.ToString\(\)](#).

6.26.4.2 ValueMask

```
byte RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.ValueMask [get], [set]
```

Value Mask

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.GPIOSensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.ToString().

6.27 RFPPF.Messages.GPRS.GPRSMessages Class Reference

This class implements basic RF-Networks Mesh protocol

Inherits [RFPPF.Common.ProtocolMessage](#).

Public Member Functions

- [GPRSMessages \(\)](#)
Default constructor
- [GPRSMessages \(GPRSMessagesBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override void [Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Static Public Attributes

- const uint [Anchor](#) = 0x55AA55AA
Message anchor byte

Protected Attributes

- byte[] [header](#)
Message header
- byte[] [body](#)
Message body

Static Protected Attributes

- static ushort [generatedMessageNumber](#) = 0
Generated message number

Properties

- static ushort [GeneratedMessageNumber](#) [get]
Generates message number
- byte? [MessageLength](#) [get]
Message length (Payload size + 1)
- ushort? [MessageNumber](#) [get, set]
Message number
- DateTime [Timestamp](#) [get, set]
Message timestamp
- ulong? [MainReceiverID](#) [get, set]
Main receiver ID (by default IMEI)
- uint? [ReceiverID](#) [get, set]
Receiver ID
- byte? [RSSI](#) [get, set]
Receiver RSSI
- byte[] [Body](#) [get, set]
Message body
- override byte[] [Bytes](#) [get]
Message bytes getter

6.27.1 Detailed Description

This class implements basic RF-Networks Mesh protocol

6.27.2 Constructor & Destructor Documentation

6.27.2.1 GPRSMessages() [1/2]

```
RFPPF.Messages.GPRS.GPRSMessages.GPRSMessages( ) [inline]
```

Default constructor

6.27.2.2 GPRSMessages() [2/2]

```
RFPPF.Messages.GPRS.GPRSMessages.GPRSMessages( 
    GPRSMessagesBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	GPRSMessages builder
----------------	--------------------------------------

References RFPPF.Messages.GPRS.GPRSMassage.Body, RFPPF.Messages.GPRS.GPRSMassage.Main←ReceiverID, RFPPF.Messages.GPRS.GPRSMassage.MessageNumber, RFPPF.Messages.GPRS.GPRS←Message.ReceiverID, RFPPF.Messages.GPRS.GPRSMassage.RSSI, and RFPPF.Messages.GPRS.GPRS←Message.Timestamp.

6.27.3 Member Function Documentation

6.27.3.1 Parse()

```
override void RFPPF.Messages.GPRSMassage.Parse (
    byte[] data) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Implements [RFPPF.Common.ProtocolMessage](#).

6.27.4 Field Documentation

6.27.4.1 Anchor

```
const uint RFPPF.Messages.GPRSMassage.Anchor = 0x55AA55AA [static]
```

Message anchor byte

6.27.4.2 header

```
byte[] RFPPF.Messages.GPRSMassage.header [protected]
```

Message header

6.27.4.3 body

```
byte[] RFPPF.Messages.GPRSMassage.body [protected]
```

Message body

6.27.4.4 generatedMessageNumber

```
ushort RFPPF.Messages.GPRS.GPRSMessages.generatedMessageNumber = 0 [static], [protected]
```

Generated message number

6.27.5 Property Documentation

6.27.5.1 GeneratedMessageNumber

```
ushort RFPPF.Messages.GPRS.GPRSMessages.GeneratedMessageNumber [static], [get]
```

Generates message number

6.27.5.2 MessageLength

```
byte? RFPPF.Messages.GPRS.GPRSMessages.MessageLength [get]
```

Message length (Payload size + 1)

6.27.5.3 MessageNumber

```
ushort? RFPPF.Messages.GPRS.GPRSMessages.MessageNumber [get], [set]
```

Message number

Referenced by RFPPF.Messages.GPRS.GPRSMessages.GPRSMessages().

6.27.5.4 Timestamp

```
DateTime RFPPF.Messages.GPRS.GPRSMessages.Timestamp [get], [set]
```

Message timestamp

Referenced by RFPPF.Messages.GPRS.GPRSMessages.GPRSMessages().

6.27.5.5 MainReceiverID

```
ulong? RFPPF.Messages.GPRS.GPRSMessages.MainReceiverID [get], [set]
```

Main receiver ID (by default IMEI)

Referenced by RFPPF.Messages.GPRS.GPRSMessages.GPRSMessages().

6.27.5.6 ReceiverID

```
uint? RFPPF.Messages.GPRS.GPRSMessages.ReceiverID [get], [set]
```

Receiver ID

Referenced by RFPPF.Messages.GPRS.GPRSMessages.GPRSMessages().

6.27.5.7 RSSI

```
byte? RFPPF.Messages.GPRS.GPRSMessages.RSSI [get], [set]
```

Receiver RSSI

Referenced by RFPPF.Messages.GPRS.GPRSMessages.GPRSMessages().

6.27.5.8 Body

```
byte[] RFPPF.Messages.GPRS.GPRSMessages.Body [get], [set]
```

Message body

Referenced by RFPPF.Messages.GPRS.GPRSMessages.GPRSMessages().

6.27.5.9 Bytes

```
override byte[] RFPPF.Messages.GPRS.GPRSMessages.Bytes [get]
```

Message bytes getter

Returns

Message as bytes array

6.28 RFPPF.Parsers.GPRSParser Class Reference

This class implements RF-Networks GPRS protocol parser

Inherits [RFPPF.Common.ProtocolParser](#).

Public Member Functions

- override void [AppendBytes](#) (byte[] bytes)

Append bytes to buffer and parse data

Additional Inherited Members

6.28.1 Detailed Description

This class implements RF-Networks GPRS protocol parser

6.28.2 Member Function Documentation

6.28.2.1 AppendBytes()

```
override void RFPPF.Parsers.GPRSParser.AppendBytes (
    byte[] bytes ) [inline], [virtual]
```

Append bytes to buffer and parse data

Parameters

<i>bytes</i>	Bytes array to append
--------------	-----------------------

AbstractParser.AppendBytes(byte[])

This method implements actual protocol parsing

Implements [RFPPF.Common.ProtocolParser](#).

6.29 RFPPF.Messages.MessageFactory Class Reference

This class is used for generating message instances and implement factory design pattern

Static Public Member Functions

- static `ProtocolMessage CreateMessage (Type MessageType)`
Create instance of message
- static `ProtocolMessage CreateMessage (Type MessageType, object builder)`
Create instance of message using builder design pattern

6.29.1 Detailed Description

This class is used for generating message instances and implement factory design pattern

6.29.2 Member Function Documentation

6.29.2.1 CreateMessage() [1/2]

```
static ProtocolMessage RFPPF.Messages.MessageFactory.CreateMessage (
    Type MessageType) [inline], [static]
```

Create instance of message

Parameters

<code>MessageType</code>	Type of requested message
--------------------------	---------------------------

Returns

Message instance

Exceptions

<code>Exception</code>	Parsing error exception
------------------------	-------------------------

Referenced by RFPPF.Common.ProtocolParser.RetrieveBitStuffingMessageFromBuffer().

6.29.2.2 CreateMessage() [2/2]

```
static ProtocolMessage RFPPF.Messages.MessageFactory.CreateMessage (
    Type MessageType,
    object builder) [inline], [static]
```

Create instance of message using builder design pattern

Parameters

<i>MessageType</i>	Type of requested message
<i>builder</i>	Message builder

Returns

Message instance

6.30 RFPPF.Common.ProtocolEventArgs Class Reference

This class represents [RFPPF](#) event arguments

Inherits EventArgs.

Public Member Functions

- [ProtocolEventArgs \(\)](#)
Default constructor
- [ProtocolEventArgs \(ProtocolMessage msg\)](#)
Parameterized constructor

Properties

- [ProtocolMessage Message \[get, set\]](#)
Parser message

6.30.1 Detailed Description

This class represents [RFPPF](#) event arguments

6.30.2 Constructor & Destructor Documentation

6.30.2.1 ProtocolEventArgs() [1/2]

`RFPPF.Common.ProtocolEventArgs.ProtocolEventArgs () [inline]`

Default constructor

6.30.2.2 ProtocolEventArgs() [2/2]

`RFPPF.Common.ProtocolEventArgs.ProtocolEventArgs (ProtocolMessage msg) [inline]`

Parameterized constructor

Parameters

msg	Parser message
-----	----------------

References RFPPF.Common.ProtocolEventArgs.Message.

6.30.3 Property Documentation

6.30.3.1 Message

`ProtocolMessage` RFPPF.Common.ProtocolEventArgs.Message [get], [set]

Parser message

Referenced by RFPPF.Common.ProtocolEventArgs.ProtocolEventArgs().

6.31 RFPPF.Common.ProtocolMessage Class Reference

Abstract class representing basic protocol message functionality

Inherited by RFPPF.Messages.ErrorMessage, RFPPF.Messages.GPRS.GPRSMessages, RFPPF.Messages.OldProtocol.ReceiverMessages, RFPPF.Messages.OldProtocol.TagMessage, and RFPPF.Messages.RFM.RFMMessages.

Public Member Functions

- abstract void `Parse` (byte[] data)
Parses bytes array to protocol message
- override bool `Equals` (object obj)
Compare objects override
- override int `GetHashCode` ()
Object GetHashCode function override
- override string `ToString` ()
ToString method override

Properties

- abstract byte[] `Bytes` [get]
Message bytes getter

6.31.1 Detailed Description

Abstract class representing basic protocol message functionality

This is an abstract class, so no instance of it can be created. All protocol messages should inherit current class.

6.31.2 Member Function Documentation

6.31.2.1 Parse()

```
abstract void RFPPF.Common.ProtocolMessage.Parse (
    byte[] data ) [pure virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Exceptions

<i>Exception</i>	Parsing error exception
------------------	-------------------------

Implemented in [RFPPF.Messages.RFM.Event.CheckInEventMessage](#), [RFPPF.Messages.GPRS.GPRSMessages](#), [RFPPF.Messages.OldProtocol.TagMessage](#), [RFPPF.Messages.RFM.Event.AssociationRequestEventMessage](#), [RFPPF.Messages.OldProtocol.ReceiverMessage](#), [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage](#), [RFPPF.Messages.RFM.RFMMessages](#), [RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage](#), [RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage](#), [RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage](#), [RFPPF.Messages.OldProtocol.ReceiverGPSMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage](#), [RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage](#), [RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage](#), [RFPPF.Messages.RFM.Configuration.TesterCommandMessage](#), [RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage](#), [RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage](#), [RFPPF.Messages.RFM.Event.ErrorEventMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage](#), [RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage](#), [RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage](#), [RFPPF.Messages.RFM.Data.DataRawInMessage](#), [RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage](#), [RFPPF.Messages.OldProtocol.ReceiverInformativeMessage](#), [RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage](#), [RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage](#), [RFPPF.Messages.RFM.Configuration.GetResponseMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage](#), [RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage](#), and [RFPPF.Messages.ErrorMessage](#).

6.31.2.2 Equals()

```
override bool RFPPF.Common.ProtocolMessage.Equals (
    object obj ) [inline]
```

Compare objects override

Parameters

<i>obj</i>	Object to compare
------------	-------------------

Returns

Equals or not

References RFPPF.Common.ProtocolMessage.Bytes.

6.31.2.3 GetHashCode()

```
override int RFPPF.Common.ProtocolMessage.GetHashCode ( ) [inline]
```

Object GetHashCode function override

Returns

6.31.2.4 ToString()

```
override string RFPPF.Common.ProtocolMessage.ToString ( ) [inline]
```

ToString method override

Returns

Message string representation

References RFPPF.Common.RFPPFHelper.ByteArrayToHexString(), and RFPPF.Common.ProtocolMessage.↳ Bytes.

6.31.3 Property Documentation

6.31.3.1 Bytes

```
abstract byte [ ] RFPPF.Common.ProtocolMessage.Bytes [get]
```

Message bytes getter

Returns

Message as bytes array

Referenced by RFPPF.Common.ProtocolMessage.Equals(), and RFPPF.Common.ProtocolMessage.ToString().

6.32 RFPPF.Common.ProtocolParser Class Reference

Abstract class representing basic protocol parser functionality

Inherited by [RFPPF.Parsers.GPRSParser](#), and [RFPPF.Parsers.RFMeshParser](#).

Public Member Functions

- [ProtocolParser \(\)](#)
Default constructor
- [ProtocolParser \(int bufferSize\)](#)
Parameterized constructor
- [delegate void MessageEventHandler \(object sender, ProtocolEventArgs e\)](#)
Parser events delegate
- [abstract void AppendBytes \(byte\[\] bytes\)](#)
Append bytes to buffer and parse data
- [void ClearBuffer \(\)](#)
Clear buffer

Static Public Attributes

- [const int DefaultParserBufferSize = 8192](#)
Default buffer size defined for parser

Protected Member Functions

- [void FireMessageReceivedEvent \(ProtocolEventArgs e\)](#)
Fires MessageReceived event
- [void FireMessageErrorEvent \(ProtocolEventArgs e\)](#)
Fires MessageError event
- [byte\[\] RetrieveBitStuffingMessageFromBuffer \(\)](#)
Searches for bit-stuffing encoded message in buffer

Protected Attributes

- [CircularBuffer< byte > buffer](#)
Parser's incoming data buffer

Properties

- [bool IsBufferEmpty \[get\]](#)
If buffer is empty
- [object Info \[get, set\]](#)
Custom data

Events

- [MessageEventHandler MessageReceived](#)
Message received event
- [MessageEventHandler MessageError](#)
Parsing error event

6.32.1 Detailed Description

Abstract class representing basic protocol parser functionality

This is an abstract class, so no instance of it can be created. All protocol parsers should inherit current class.

6.32.2 Constructor & Destructor Documentation

6.32.2.1 ProtocolParser() [1/2]

RFPPF.Common.ProtocolParser.ProtocolParser () [inline]

Default constructor

6.32.2.2 ProtocolParser() [2/2]

RFPPF.Common.ProtocolParser.ProtocolParser (int bufferSize) [inline]

Parameterized constructor

Parameters

<code>bufferSize</code>	Buffer size
-------------------------	-------------

References RFPPF.Common.ProtocolParser.buffer.

6.32.3 Member Function Documentation

6.32.3.1 MessageEventHandler()

```
delegate void RFPPF.Common.ProtocolParser.MessageEventHandler (
    object sender,
    ProtocolEventArgs e )
```

Parser events delegate

Parameters

<i>sender</i>	Event creator
<i>e</i>	Event arguments

6.32.3.2 AppendBytes()

```
abstract void RFPPF.Common.ProtocolParser.AppendBytes (
    byte[] bytes ) [pure virtual]
```

Append bytes to buffer and parse data

Parameters

<i>bytes</i>	Bytes array to append
--------------	-----------------------

Implemented in [RFPPF.Parsers.GPRSParser](#), and [RFPPF.Parsers.RFMeshParser](#).

6.32.3.3 ClearBuffer()

```
void RFPPF.Common.ProtocolParser.ClearBuffer () [inline]
```

Clear buffer

References [RFPPF.Common.ProtocolParser.buffer](#).

6.32.3.4 FireMessageReceivedEvent()

```
void RFPPF.Common.ProtocolParser.FireMessageReceivedEvent (
    ProtocolEventArgs e ) [inline], [protected]
```

Fires MessageReceived event

Parameters

<i>e</i>	Event argument
----------	----------------

6.32.3.5 FireMessageErrorEvent()

```
void RFPPF.Common.ProtocolParser.FireMessageErrorEvent (
    ProtocolEventArgs e ) [inline], [protected]
```

Fires MessageError event

Parameters

e	Event argument
---	----------------

References RFPPF.Common.ProtocolParser.MessageError.

Referenced by RFPPF.Common.ProtocolParser.RetrieveBitStuffingMessageFromBuffer().

6.32.3.6 RetrieveBitStuffingMessageFromBuffer()

```
byte [ ] RFPPF.Common.ProtocolParser.RetrieveBitStuffingMessageFromBuffer ( ) [inline], [protected]
```

Searches for bit-stuffing encoded message in buffer

Returns

Encoded message if exists, otherwise null

References RFPPF.Common.RFPPFHelper.AppendArray(), RFPPF.Common.ProtocolParser.buffer, RFPPF.Common.RFPPFHelper.ByteArrayToString(), RFPPF.Messages.MessageFactory(), RFPPF.Messages.ErrorMessage.Description, and RFPPF.Common.ProtocolParser.FireMessageErrorEvent().

6.32.4 Field Documentation

6.32.4.1 DefaultParserBufferSize

```
const int RFPPF.Common.ProtocolParser.DefaultParserBufferSize = 8192 [static]
```

Default buffer size defined for parser

6.32.4.2 buffer

```
CircularBuffer<byte> RFPPF.Common.ProtocolParser.buffer [protected]
```

Parser's incoming data buffer

Referenced by RFPPF.Common.ProtocolParser.ClearBuffer(), RFPPF.Common.ProtocolParser.ProtocolParser(), and RFPPF.Common.ProtocolParser.RetrieveBitStuffingMessageFromBuffer().

6.32.5 Property Documentation

6.32.5.1 IsBufferEmpty

```
bool RFPPF.Common.ProtocolParser.IsBufferEmpty [get]
```

If buffer is empty

6.32.5.2 Info

```
object RFPPF.Common.ProtocolParser.Info [get], [set]
```

Custom data

Use this property in order to store custom user's data

6.32.6 Event Documentation

6.32.6.1 MessageReceived

```
MessageEventHandler RFPPF.Common.ProtocolParser.MessageReceived
```

Message received event

6.32.6.2 MessageError

```
MessageEventHandler RFPPF.Common.ProtocolParser.MessageError
```

Parsing error event

Referenced by RFPPF.Common.ProtocolParser.FireMessageErrorEvent().

6.33 RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage Class Reference

This class represents protocol Receiver device acknowledge message

Inherits [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

Public Member Functions

- `ReceiverAcknowledgeMessage ()`
Default constructor
- `ReceiverAcknowledgeMessage (ReceiverAcknowledgeMessageBuilder builder)`
Parameterized constructor implementing builder design pattern
- `override void Parse (byte[] data)`
Parses bytes array to protocol message
- `override string ToString ()`
Message string representation

Properties

- `ushort AcknowledgeMessageNumber [get, set]`
AcknowledgeMessageNumber

Additional Inherited Members

6.33.1 Detailed Description

This class represents protocol Receiver device acknowledge message

6.33.2 Constructor & Destructor Documentation

6.33.2.1 ReceiverAcknowledgeMessage() [1/2]

`RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.ReceiverAcknowledgeMessage ()` [inline]

Default constructor

References `RFPPF.Messages.OldProtocol.ReceiverMessage.body`, `RFPPF.Messages.OldProtocol.ReceiverMessage.header`, and `RFPPF.Messages.OldProtocol.ReceiverMessage.MessageType`.

6.33.2.2 ReceiverAcknowledgeMessage() [2/2]

`RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.ReceiverAcknowledgeMessage (ReceiverAcknowledgeMessageBuilder builder)` [inline]

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>ReceiverAcknowledgeMessage</code> builder
----------------------	---

References RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.AcknowledgeMessageNumber, and RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber.

6.33.3 Member Function Documentation

6.33.3.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides RFMMessage.Parse(byte[]) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.33.3.2 ToString()

```
override string RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.AcknowledgeMessageNumber.

6.33.4 Property Documentation

6.33.4.1 AcknowledgeMessageNumber

```
ushort RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.AcknowledgeMessageNumber [get],
[set]
```

AcknowledgeMessageNumber

Referenced by [RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.ReceiverAcknowledgeMessage\(\)](#), and [RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.ToString\(\)](#).

6.34 RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage Class Reference

This class represents protocol Receiver device configuration external voltage message

Inherits [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage](#).

Public Member Functions

- [ReceiverConfigurationExternalVoltageMessage \(\)](#)
Default constructor
- [ReceiverConfigurationExternalVoltageMessage \(ReceiverConfigurationExternalVoltageMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
Message string representation

Properties

- float [ExternalVoltage](#) [get, set]
External Voltage
- float [ExternalVoltage2](#) [get, set]
External Voltage 2

Additional Inherited Members

6.34.1 Detailed Description

This class represents protocol Receiver device configuration external voltage message

6.34.2 Constructor & Destructor Documentation

6.34.2.1 ReceiverConfigurationExternalVoltageMessage() [1/2]

```
RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ReceiverConfigurationExternalVoltageMessage ( ) [inline]
```

Default constructor

6.34.2.2 ReceiverConfigurationExternalVoltageMessage() [2/2]

```
RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ReceiverConfigurationExternalVoltageMessage (
    ReceiverConfigurationExternalVoltageMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	ReceiverConfigurationVoltageMessage builder
----------------	---

References RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ExternalVoltage, RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ExternalVoltage2, RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber, RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.OpCode, and RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.TypeCode.

6.34.3 Member Function Documentation**6.34.3.1 Parse()**

```
override void RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Implements [RFPPF.Common.ProtocolMessage](#).

References RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.DataSize, RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.OpCode, and RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.TypeCode.

6.34.3.2 ToString()

```
override string RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ExternalVoltage, and RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ExternalVoltage2.

6.34.4 Property Documentation

6.34.4.1 ExternalVoltage

```
float RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ExternalVoltage
[get], [set]
```

External Voltage

Referenced by RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ReceiverConfiguration<→
ExternalVoltageMessage(), and RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.←
ToString().

6.34.4.2 ExternalVoltage2

```
float RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ExternalVoltage2
[get], [set]
```

External Voltage 2

Referenced by RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ReceiverConfiguration<→
ExternalVoltageMessage(), and RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.←
ToString().

6.35 RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage Class Reference

This class represents protocol Receiver device configuration message

Inherits [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

Inherited by [RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage](#) and [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage](#).

Public Member Functions

- [ReceiverConfigurationMessage \(\)](#)
Default constructor
- [ReceiverConfigurationMessage \(ReceiverConfigurationMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Properties

- [byte PayloadSize \[get\]](#)
Message payload size
- [byte TypeCode \[get, set\]](#)
Message type code
- [byte OpCode \[get, set\]](#)
Message op code
- [byte DataSize \[get\]](#)
Message payload data size

Additional Inherited Members

6.35.1 Detailed Description

This class represents protocol Receiver device configuration message

6.35.2 Constructor & Destructor Documentation

6.35.2.1 ReceiverConfigurationMessage() [1/2]

RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.ReceiverConfigurationMessage () [inline]

Default constructor

6.35.2.2 ReceiverConfigurationMessage() [2/2]

RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.ReceiverConfigurationMessage (ReceiverConfigurationMessageBuilder builder) [inline]

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>ReceiverConfigurationMessage</code> builder
----------------------	---

References RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber, RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.OpCode, and RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.TypeCode.

6.35.3 Member Function Documentation

6.35.3.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.Parse ( byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<code>data</code>	Message as bytes array
-------------------	------------------------

Implements [RFPPF.Common.ProtocolMessage](#).

Reimplemented in [RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage](#), and [RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage](#).

6.35.4 Property Documentation

6.35.4.1 PayloadSize

```
byte RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.PayloadSize [get]
```

Message payload size

6.35.4.2 TypeCode

```
byte RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.TypeCode [get], [set]
```

Message type code

Referenced by [RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage\(\)](#), and [RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.Parse\(\)](#).

6.35.4.3 OpCode

```
byte RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.OpCode [get], [set]
```

Message op code

Referenced by [RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.Parse\(\)](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage\(\)](#), and [RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.Parse\(\)](#).

6.35.4.4 DataSize

```
byte RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.DataSize [get]
```

Message payload data size

Referenced by RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.Parse(), RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.Parse(), and RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.Parse().

6.36 RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperature Message Class Reference

This class represents protocol Receiver device configuration temperature message

Inherits [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage](#).

Public Member Functions

- [ReceiverConfigurationTemperatureMessage \(\)](#)
Default constructor
- [ReceiverConfigurationTemperatureMessage \(ReceiverConfigurationTemperatureMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
Message string representation

Properties

- [float Temperature \[get, set\]](#)
Temperature

Additional Inherited Members

6.36.1 Detailed Description

This class represents protocol Receiver device configuration temperature message

6.36.2 Constructor & Destructor Documentation

6.36.2.1 ReceiverConfigurationTemperatureMessage() [1/2]

```
RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.ReceiverConfiguration←
TemperatureMessage ( ) [inline]
```

Default constructor

6.36.2.2 ReceiverConfigurationTemperatureMessage() [2/2]

```
RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.ReceiverConfiguration←
TemperatureMessage (
    ReceiverConfigurationTemperatureMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	ReceiverConfigurationTemperatureMessage builder
----------------	---

References RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber, RFPPF.Messages.OldProtocol.←
ReceiverConfigurationMessage.OpCode, RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperature←
Message.Temperature, and RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.TypeCode.

6.36.3 Member Function Documentation

6.36.3.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Reimplemented from [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage](#).

References RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.DataSize, RFPPF.Messages.Old←
Protocol.ReceiverConfigurationMessage.OpCode, and RFPPF.Messages.OldProtocol.ReceiverConfiguration←
Message.TypeCode.

6.36.3.2 ToString()

```
override string RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.Temperature.

6.36.4 Property Documentation

6.36.4.1 Temperature

```
float RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.Temperature [get], [set]
```

Temperature

Referenced by RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.ReceiverConfigurationTemperatureMessage(), and RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.ToString().

6.37 RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage Class Reference

This class represents protocol Receiver device configuration voltage message

Inherits [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage](#).

Public Member Functions

- [ReceiverConfigurationVoltageMessage \(\)](#)
Default constructor
- [ReceiverConfigurationVoltageMessage \(ReceiverConfigurationVoltageMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
Message string representation

Properties

- float `Voltage` [get, set]
Voltage

Additional Inherited Members

6.37.1 Detailed Description

This class represents protocol Receiver device configuration voltage message

6.37.2 Constructor & Destructor Documentation

6.37.2.1 `ReceiverConfigurationVoltageMessage()` [1/2]

```
RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.ReceiverConfigurationVoltage<-->
Message ( ) [inline]
```

Default constructor

6.37.2.2 `ReceiverConfigurationVoltageMessage()` [2/2]

```
RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.ReceiverConfigurationVoltage<-->
Message (
    ReceiverConfigurationVoltageMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>ReceiverConfigurationVoltageMessage</code> builder
----------------------	--

References `RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber`, `RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.OpCode`, `RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.TypeCode`, and `RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.Voltage`.

6.37.3 Member Function Documentation

6.37.3.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.Parse ( byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Reimplemented from [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage](#).

References `RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.DataSize`, `RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.OpCode`, and `RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.TypeCode`.

6.37.3.2 ToString()

```
override string RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.ToString ( ) [inline]
```

Message string representation

Returns

References `RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.Voltage`.

6.37.4 Property Documentation

6.37.4.1 Voltage

```
float RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.Voltage [get], [set]
```

Voltage

Referenced by `RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.ReceiverConfigurationVoltageMessage()`, and `RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.ToString()`.

6.38 RFPPF.Messages.OldProtocol.ReceiverGPSMessage Class Reference

This class represents protocol Receiver device GPS message

Inherits [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

Public Member Functions

- [ReceiverGPSMessage \(\)](#)
Default constructor
- [ReceiverGPSMessage \(ReceiverGPSMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
Message string representation

Properties

- [float Latitude \[get, set\]](#)
Latitude
- [float Longitude \[get, set\]](#)
Longitude
- [float Altitude \[get, set\]](#)
Altitude

Additional Inherited Members

6.38.1 Detailed Description

This class represents protocol Receiver device GPS message

6.38.2 Constructor & Destructor Documentation

6.38.2.1 ReceiverGPSMessage() [1/2]

```
RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ReceiverGPSMessage ( ) [inline]
```

Default constructor

References [RFPPF.Messages.OldProtocol.ReceiverMessage.body](#), [RFPPF.Messages.OldProtocol.ReceiverMessage.header](#), and [RFPPF.Messages.OldProtocol.ReceiverMessage.MessageType](#).

6.38.2.2 ReceiverGPSMessage() [2/2]

```
RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ReceiverGPSMessage (
    ReceiverGPSMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	ReceiverGPSMessageBuilder builder
----------------	-----------------------------------

References RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Altitude, RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Latitude, RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Longitude, and RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber.

6.38.3 Member Function Documentation

6.38.3.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides RFMMMessage.Parse(byte[]) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.38.3.2 ToString()

```
override string RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Altitude, RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Latitude, and RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Longitude.

6.38.4 Property Documentation

6.38.4.1 Latitude

```
float RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Latitude [get], [set]
```

Latitude

Referenced by RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ReceiverGPSMessage(), and RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ToString().

6.38.4.2 Longitude

```
float RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Longitude [get], [set]
```

Longitude

Referenced by RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ReceiverGPSMessage(), and RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ToString().

6.38.4.3 Altitude

```
float RFPPF.Messages.OldProtocol.ReceiverGPSMessage.Altitude [get], [set]
```

Altitude

Referenced by RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ReceiverGPSMessage(), and RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ToString().

6.39 RFPPF.Messages.OldProtocol.ReceiverInformativeMessage Class Reference

This class represents protocol Receiver device informative message

Inherits [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

Public Member Functions

- [ReceiverInformativeMessage \(\)](#)
Default constructor
- [ReceiverInformativeMessage \(ReceiverInformativeMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
Message string representation

Properties

- string? **Message** [get, set]

Diagnostic message

Additional Inherited Members

6.39.1 Detailed Description

This class represents protocol Receiver device informative message

6.39.2 Constructor & Destructor Documentation

6.39.2.1 ReceiverInformativeMessage() [1/2]

RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.ReceiverInformativeMessage () [inline]

Default constructor

References RFPPF.Messages.OldProtocol.ReceiverMessage.body, RFPPF.Messages.OldProtocol.ReceiverMessage.header, and RFPPF.Messages.OldProtocol.ReceiverMessage.MessageType.

6.39.2.2 ReceiverInformativeMessage() [2/2]

RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.ReceiverInformativeMessage (ReceiverInformativeMessageBuilder builder) [inline]

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	ReceiverInformativeMessage <i>builder</i>
----------------	---

References RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.Message, and RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber.

6.39.3 Member Function Documentation

6.39.3.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides RFMMessages.Parse(byte[]) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.39.3.2 ToString()

```
override string RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.Message.

6.39.4 Property Documentation

6.39.4.1 Message

```
string? RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.Message [get], [set]
```

Diagnostic message

Referenced by [RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.ReceiverInformativeMessage\(\)](#), and [RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.ToString\(\)](#).

6.40 RFPPF.Messages.OldProtocol.ReceiverMessage Class Reference

This class represents protocol Receiver device message

Inherits [RFPPF.Common.ProtocolMessage](#).

Inherited by [RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage](#), [RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage](#), [RFPPF.Messages.OldProtocol.ReceiverGPSMessage](#), [RFPPF.Messages.OldProtocol.ReceiverInformativeMessage](#), [RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage](#), [RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage](#), [RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage](#), [RFPPF.Messages.OldProtocol.ReceiverTransientMessage](#), and [RFPPF.Messages.OldProtocol.TagDataMessage](#).

Public Types

- enum [MessageTypes](#)
Receiver message types
- enum [GPIOStatus](#)
GPIO status

Public Member Functions

- [ReceiverMessage \(\)](#)
Default constructor
- [ReceiverMessage \(ReceiverMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override void [Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Protected Attributes

- byte[] [header](#)
Message header
- byte[] [body](#)
Message body

Static Protected Attributes

- static byte [generatedMessageNumber = 0](#)
Generated message number

Properties

- byte [Size \[get\]](#)
Message size
- byte [Checksum \[get\]](#)
Message checksum
- [MessageTypes?? MessageType \[get, set\]](#)
Message type
- byte [MessageNumber \[get, set\]](#)
Message number
- override byte[] [Bytes \[get\]](#)
Message bytes getter
- static byte [GeneratedMessageNumber \[get\]](#)
Generates message number

6.40.1 Detailed Description

This class represents protocol Receiver device message

6.40.2 Member Enumeration Documentation

6.40.2.1 MessageTypes

```
enum RFPPF.Messages.OldProtocol.ReceiverMessage.MessageTypes [strong]
```

Receiver message types

6.40.2.2 GPIOStatus

```
enum RFPPF.Messages.OldProtocol.ReceiverMessage.GPIOStatus [strong]
```

GPIO status

6.40.3 Constructor & Destructor Documentation

6.40.3.1 ReceiverMessage() [1/2]

```
RFPPF.Messages.OldProtocol.ReceiverMessage.ReceiverMessage( ) [inline]
```

Default constructor

6.40.3.2 ReceiverMessage() [2/2]

```
RFPPF.Messages.OldProtocol.ReceiverMessage.ReceiverMessage(   
    ReceiverMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	ReceiverMessage <i>builder</i>
----------------	--

References RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber.

6.40.4 Member Function Documentation

6.40.4.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Implements [RFPPF.Common.ProtocolMessage](#).

Reimplemented in [RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage](#), [RFPPF.Messages.OldProtocol.ReceiverModemVoltage](#) and [RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage](#).

References RFPPF.Messages.OldProtocol.ReceiverMessage.body, RFPPF.Common.RFPPFHelper.CalculateCS(), RFPPF.Messages.OldProtocol.ReceiverMessage.header, and RFPPF.Messages.OldProtocol.ReceiverMessage. \leftarrow Size.

6.40.5 Field Documentation

6.40.5.1 header

```
byte [ ] RFPPF.Messages.OldProtocol.ReceiverMessage.header [protected]
```

Message header

Referenced by RFPPF.Messages.OldProtocol.ReceiverMessage.Parse(), RFPPF.Messages.OldProtocol. \leftarrow ReceiverAcknowledgeMessage.ReceiverAcknowledgeMessage(), RFPPF.Messages.OldProtocol.ReceiverG \leftarrow PSMessage.ReceiverGPSMessage(), RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.Receiver \leftarrow InformativeMessage(), RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ReceiverModemVoltage \leftarrow Message(), RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.ReceiverPowerAlertMessage(), and RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage.ReceiverSendSMSMessage().

6.40.5.2 body

```
byte [ ] RFPPF.Messages.OldProtocol.ReceiverMessage.body [protected]
```

Message body

Referenced by RFPPF.Messages.OldProtocol.ReceiverMessage.Parse(), RFPPF.Messages.OldProtocol. \leftarrow ReceiverAcknowledgeMessage.ReceiverAcknowledgeMessage(), RFPPF.Messages.OldProtocol.ReceiverG \leftarrow PSMessage.ReceiverGPSMessage(), RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.Receiver \leftarrow InformativeMessage(), RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ReceiverModemVoltage \leftarrow Message(), RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.ReceiverPowerAlertMessage(), and RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage.ReceiverSendSMSMessage().

6.40.5.3 generatedMessageNumber

```
byte RFPPF.Messages.OldProtocol.ReceiverMessage.generatedMessageNumber = 0 [static], [protected]
```

Generated message number

6.40.6 Property Documentation

6.40.6.1 Size

```
byte RFPPF.Messages.OldProtocol.ReceiverMessage.Size [get]
```

Message size

Referenced by RFPPF.Messages.OldProtocol.ReceiverMessage.Parse().

6.40.6.2 Checksum

```
byte RFPPF.Messages.OldProtocol.ReceiverMessage.Checksum [get]
```

Message checksum

6.40.6.3 MessageType

```
MessageTypes?? RFPPF.Messages.OldProtocol.ReceiverMessage.MessageType [get], [set]
```

Message type

Referenced by RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.ReceiverAcknowledgeMessage(),
RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ReceiverGPSMessage(), RFPPF.Messages.OldProtocol.
ReceiverInformativeMessage.ReceiverInformativeMessage(), RFPPF.Messages.OldProtocol.ReceiverModem
VoltageMessage.ReceiverModemVoltageMessage(), RFPPF.Messages.OldProtocol.ReceiverPowerAlert
Message.ReceiverPowerAlertMessage(), and RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage.
ReceiverSendSMSMessage().

6.40.6.4 MessageNumber

```
byte RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber [get], [set]
```

Message number

Referenced by RFPPF.Messages.OldProtocol.ReceiverAcknowledgeMessage.ReceiverAcknowledgeMessage(), RFPPF.Messages.OldProtocol.ReceiverConfigurationExternalVoltageMessage.ReceiverConfigurationExternalVoltageMessage(), RFPPF.Messages.OldProtocol.ReceiverConfigurationMessage.ReceiverConfigurationMessage(), RFPPF.Messages.OldProtocol.ReceiverConfigurationTemperatureMessage.ReceiverConfigurationTemperatureMessage(), RFPPF.Messages.OldProtocol.ReceiverConfigurationVoltageMessage.ReceiverConfigurationVoltageMessage(), RFPPF.Messages.OldProtocol.ReceiverGPSMessage.ReceiverGPSMessage(), RFPPF.Messages.OldProtocol.ReceiverInformativeMessage.ReceiverInformativeMessage(), RFPPF.Messages.OldProtocol.ReceiverMessage.ReceiverMessage(), RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ReceiverModemVoltageMessage(), RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.ReceiverPowerAlertMessage(), RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage.ReceiverSendSMSMessage(), and RFPPF.Messages.OldProtocol.ReceiverTransientMessage.ReceiverTransientMessage().

6.40.6.5 Bytes

```
override byte [] RFPPF.Messages.OldProtocol.ReceiverMessage.Bytes [get]
```

Message bytes getter

Returns

Message as bytes array

6.40.6.6 GeneratedMessageNumber

```
byte RFPPF.Messages.OldProtocol.ReceiverMessage.GeneratedMessageNumber [static], [get]
```

Generates message number

6.41 RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage Class Reference

This class represents protocol Receiver device GPS message

Inherits [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

Public Member Functions

- `ReceiverModemVoltageMessage ()`
Default constructor
- `ReceiverModemVoltageMessage (ReceiverModemVoltageMessageBuilder builder)`
Parameterized constructor implementing builder design pattern
- `override void Parse (byte[] data)`
Parses bytes array to protocol message
- `override string ToString ()`
Message string representation

Properties

- `float ModemVoltage [get, set]`
ModemVoltage

Additional Inherited Members

6.41.1 Detailed Description

This class represents protocol Receiver device GPS message

6.41.2 Constructor & Destructor Documentation

6.41.2.1 `ReceiverModemVoltageMessage()` [1/2]

```
RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ReceiverModemVoltageMessage ( ) [inline]
```

Default constructor

References RFPPF.Messages.OldProtocol.ReceiverMessage.body, RFPPF.Messages.OldProtocol.ReceiverMessage.header, and RFPPF.Messages.OldProtocol.ReceiverMessage.MessageType.

6.41.2.2 `ReceiverModemVoltageMessage()` [2/2]

```
RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ReceiverModemVoltageMessage (
    ReceiverModemVoltageMessageBuilder builder) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>ReceiverModemVoltageMessage builder</code>
----------------------	--

References RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber, and RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ModemVoltage.

6.41.3 Member Function Documentation

6.41.3.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides RFMMessage.Parse(byte[]) method

Reimplemented from [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

6.41.3.2 ToString()

```
override string RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ModemVoltage.

6.41.4 Property Documentation

6.41.4.1 ModemVoltage

```
float RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ModemVoltage [get], [set]
```

ModemVoltage

Referenced by [RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ReceiverModemVoltageMessage\(\)](#), and [RFPPF.Messages.OldProtocol.ReceiverModemVoltageMessage.ToString\(\)](#).

6.42 RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage Class Reference

This class represents protocol Receiver device power alert message

Inherits [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

Public Member Functions

- [ReceiverPowerAlertMessage \(\)](#)
Default constructor
- [ReceiverPowerAlertMessage \(ReceiverPowerAlertMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
Message string representation

Properties

- [bool? ExternalPowerConnected \[get, set\]](#)
External power connected

Additional Inherited Members

6.42.1 Detailed Description

This class represents protocol Receiver device power alert message

6.42.2 Constructor & Destructor Documentation

6.42.2.1 ReceiverPowerAlertMessage() [1/2]

`RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.ReceiverPowerAlertMessage ()` [inline]

Default constructor

References [RFPPF.Messages.OldProtocol.ReceiverMessage.body](#), [RFPPF.Messages.OldProtocol.ReceiverMessage.header](#), and [RFPPF.Messages.OldProtocol.ReceiverMessage.MessageType](#).

6.42.2.2 ReceiverPowerAlertMessage() [2/2]

`RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.ReceiverPowerAlertMessage (ReceiverPowerAlertMessageBuilder builder)` [inline]

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	ReceiverPowerAlertMessage builder
----------------	---

References [RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber](#).

6.42.3 Member Function Documentation

6.42.3.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessage.Parse](#)(byte[]) method

Reimplemented from [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

6.42.3.2 ToString()

```
override string RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.ToString ( ) [inline]
```

Message string representation

Returns

References [RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.ExternalPowerConnected](#).

6.42.4 Property Documentation

6.42.4.1 ExternalPowerConnected

```
bool? RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.ExternalPowerConnected [get],  
[set]
```

External power connected

Referenced by RFPPF.Messages.OldProtocol.ReceiverPowerAlertMessage.ToString().

6.43 RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage Class Reference

This class represents protocol Receiver device send SMS message

Inherits [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

Public Member Functions

- [ReceiverSendSMSMessage \(\)](#)
Default constructor
- [ReceiverSendSMSMessage \(ReceiverSendSMSMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
Message string representation

Additional Inherited Members

6.43.1 Detailed Description

This class represents protocol Receiver device send SMS message

6.43.2 Constructor & Destructor Documentation

6.43.2.1 ReceiverSendSMSMessage() [1/2]

```
RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage.ReceiverSendSMSMessage ( ) [inline]
```

Default constructor

References RFPPF.Messages.OldProtocol.ReceiverMessage.body, RFPPF.Messages.OldProtocol.ReceiverMessage.header, and RFPPF.Messages.OldProtocol.ReceiverMessage.MessageType.

6.43.2.2 ReceiverSendSMSMessage() [2/2]

```
RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage.ReceiverSendSMSMessage (   
    ReceiverSendSMSMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	ReceiverSendSMSMessage builder
----------------	--

References [RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber](#).

6.43.3 Member Function Documentation

6.43.3.1 Parse()

```
override void RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessage.Parse](#)(byte[]) method

Reimplemented from [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

6.43.3.2 ToString()

```
override string RFPPF.Messages.OldProtocol.ReceiverSendSMSMessage.ToString ( ) [inline]
```

Message string representation

Returns

6.44 RFPPF.Messages.OldProtocol.ReceiverTransientMessage Class Reference

This class represents protocol Receiver device transient message

Inherits [RFPPF.Messages.OldProtocol.ReceiverMessage](#).

Public Member Functions

- `ReceiverTransientMessage ()`
Default constructor
- `ReceiverTransientMessage (ReceiverTransientMessageBuilder builder)`
Parameterized constructor implementing builder design pattern

Properties

- `byte[]?? TransientData [get, set]`
Transient data

Additional Inherited Members

6.44.1 Detailed Description

This class represents protocol Receiver device transient message

6.44.2 Constructor & Destructor Documentation

6.44.2.1 `ReceiverTransientMessage()` [1/2]

```
RFPPF.Messages.OldProtocol.ReceiverTransientMessage.ReceiverTransientMessage ( ) [inline]
```

Default constructor

6.44.2.2 `ReceiverTransientMessage()` [2/2]

```
RFPPF.Messages.OldProtocol.ReceiverTransientMessage.ReceiverTransientMessage (
    ReceiverTransientMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>ReceiverTransientMessage</code> builder
----------------------	---

References `RFPPF.Messages.OldProtocol.ReceiverMessage.MessageNumber`, and `RFPPF.Messages.OldProtocol.ReceiverTransientMessage.TransientData`.

6.44.3 Property Documentation

6.44.3.1 TransientData

```
byte [ ]?? RFPPF.Messages.OldProtocol.ReceiverTransientMessage.TransientData [get], [set]
```

Transient data

Referenced by RFPPF.Messages.OldProtocol.ReceiverTransientMessage.ReceiverTransientMessage().

6.45 RFPPF.Parsers.RFMeshParser Class Reference

This class implements RF-Networks Mesh protocol parser

Inherits [RFPPF.Common.ProtocolParser](#).

Public Member Functions

- override void [AppendBytes](#) (byte[] bytes)
Append bytes to buffer and parse data

Additional Inherited Members

6.45.1 Detailed Description

This class implements RF-Networks Mesh protocol parser

6.45.2 Member Function Documentation

6.45.2.1 AppendBytes()

```
override void RFPPF.Parsers.RFMeshParser.AppendBytes (
    byte[] bytes ) [inline], [virtual]
```

Append bytes to buffer and parse data

Parameters

<i>bytes</i>	Bytes array to append
--------------	-----------------------

AbstractParser.AppendBytes(byte[])

This method implements actual protocol parsing

Implements [RFPPF.Common.ProtocolParser](#).

6.46 RFPPF.Messages.RFM.RFMMessages Class Reference

This class implements basic RF-Networks Mesh protocol

Inherits [RFPPF.Common.ProtocolMessage](#).

Inherited by [RFPPF.Messages.RFM.Configuration.ConfigureMessage](#), [RFPPF.Messages.RFM.Data.DataInMessage](#), [RFPPF.Messages.RFM.Data.DataOutMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage](#), [RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage](#), [RFPPF.Messages.RFM.Event.EventMessage](#), and [RFPPF.Messages.RFM.Scheduler.SchedulerMessage](#).

Public Types

- enum [MessageTypes](#)
RFMMessages types enum

Public Member Functions

- [RFMMessages \(\)](#)
Default constructor
- [RFMMessages \(RFMMessagesBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override void [Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- override string [ToString \(\)](#)
Message string representation

Static Public Attributes

- const int [Anchor = 0x96](#)
Message anchor byte

Protected Attributes

- byte[] [header](#)
Message header
- byte[] [body](#)
Message body

Properties

- override byte[] **Bytes** [get]
Message bytes getter
- byte **Version** [get, set]
Message version
- byte **Size** [get]
Message size
- **MessageTypes?? MessageType** [get, set]
Message type
- byte **MessageNumber** [get, set]
Message number

6.46.1 Detailed Description

This class implements basic RF-Networks Mesh protocol

6.46.2 Member Enumeration Documentation

6.46.2.1 MessageTypes

```
enum RFPPF.Messages.RFM.RFMMessages.MessageTypes [strong]
```

RFMMessages types enum

6.46.3 Constructor & Destructor Documentation

6.46.3.1 RFMMessages() [1/2]

```
RFPPF.Messages.RFM.RFMMessages.RFMMessages () [inline]
```

Default constructor

6.46.3.2 RFMMessages() [2/2]

```
RFPPF.Messages.RFM.RFMMessages.RFMMessages (
    RFMMessagesBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	RFMMessage builder
----------------------	------------------------------------

References RFPPF.Messages.RFM.RFMMessages.MessageNumber, and RFPPF.Messages.RFM.RFMMessages.[Version](#).
↳ Version.

6.46.4 Member Function Documentation

6.46.4.1 Parse()

```
override void RFPPF.Messages.RFM.RFMMessages.Parse (
    byte[] data) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<code>data</code>	Message as bytes array
-------------------	------------------------

Implements [RFPPF.Common.ProtocolMessage](#).

Reimplemented in [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage](#), [RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage](#), [RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage](#), and [RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage](#).

6.46.4.2 ToString()

```
override string RFPPF.Messages.RFM.RFMMessages.ToString () [inline]
```

Message string representation

Returns

Message as hex bytes array string

References RFPPF.Common.RFPPFHelper.ByteArrayToHexString(), and RFPPF.Messages.RFM.RFMMessages.[Bytes](#).
↳ Bytes.

6.46.5 Field Documentation

6.46.5.1 Anchor

```
const int RFPPF.Messages.RFM.RFMMessages.Anchor = 0x96 [static]
```

Message anchor byte

6.46.5.2 header

```
byte [] RFPPF.Messages.RFM.RFMMessages.header [protected]
```

Message header

Referenced by RFPPF.Messages.RFM.Data.DataRawInMessage.DataRawInMessage(), RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage(), RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage(), and RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SetSchedulerResponseMessage().

6.46.5.3 body

```
byte [] RFPPF.Messages.RFM.RFMMessages.body [protected]
```

Message body

Referenced by RFPPF.Messages.RFM.Data.DataRawInMessage.DataRawInMessage(), RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage(), RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage(), and RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SetSchedulerResponseMessage().

6.46.6 Property Documentation

6.46.6.1 Bytes

```
override byte [] RFPPF.Messages.RFM.RFMMessages.Bytes [get]
```

Message bytes getter

Returns

Message as bytes array

Referenced by RFPPF.Messages.RFM.RFMMessages.ToString().

6.46.6.2 Version

```
byte RFPPF.Messages.RFM.RFMMassage.Version [get], [set]
```

Message version

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.AccelerometerSensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Analog3SensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogSensorMessage(), RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage(), RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.BME280SensorMessage(), RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage(), RFPPF.Messages.RFM.Data.DataRawInMessage.DataRawInMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.DiagnosticBinaryMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DiagnosticGetShortAddressMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DiagnosticGetShortAddressResponseMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.DiagnosticMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage.DiagnosticTestInfoMessage(), RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.DS18B20SensorMessage(), RFPPF.Messages.RFM.Event.ErrorEventMessage.ErrorEventMessage(), RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.GetRegisterRequestMessage(), RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.GetRegisterResponseMessage(), RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.GetSchedulerRequestMessage(), RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.GetTimeResponseMessage(), RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.GPIO16SensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.GPIOSensorMessage(), RFPPF.Messages.RFM.RFMMassage.RFMMassage(), RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage(), RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.SetRegisterRequestMessage(), RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.SetRegisterResponseMessage(), RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage(), RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SetSchedulerResponseMessage(), RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.SI7021SensorMessage(), and RFPPF.Messages.RFM.Configuration.TesterCommandMessage.TesterCommandMessage().

6.46.6.3 Size

```
byte RFPPF.Messages.RFM.RFMMassage.Size [get]
```

Message size

6.46.6.4 MessageType

```
MessageType?? RFPPF.Messages.RFM.RFMMassage.MessageType [get], [set]
```

Message type

Referenced by RFPPF.Messages.RFM.Data.DataRawInMessage.DataRawInMessage(), RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage(), RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage(), and RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SetSchedulerResponseMessage().

6.46.6.5 MessageNumber

```
byte RFPPF.Messages.RFM.RFMMessages.MessageNumber [get], [set]
```

Message number

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.AccelerometerSensorMessage.AccelerometerSensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.Analog3SensorMessage.Analog3SensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.AnalogSensorMessage.AnalogSensorMessage(), RFPPF.Messages.RFM.Event.AssociationRequestEventMessage.AssociationRequestEventMessage(), RFPPF.Messages.RFM.Data.SensorMessages.BME280SensorMessage.BME280SensorMessage(), RFPPF.Messages.RFM.Event.CheckInEventMessage.CheckInEventMessage(), RFPPF.Messages.RFM.Data.DataRawInMessage.DataRawInMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.DiagnosticBinaryMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressMessage.DiagnosticGetShortAddressMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticGetShortAddressResponseMessage.DiagnosticGetShortAddressResponseMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticMessage.DiagnosticMessage(), RFPPF.Messages.RFM.Diagnostic.DiagnosticTestInfoMessage.DiagnosticTestInfoMessage(), RFPPF.Messages.RFM.Data.SensorMessages.DS18B20SensorMessage.DS18B20SensorMessage(), RFPPF.Messages.RFM.Event.ErrorEventMessage.ErrorEventMessage(), RFPPF.Messages.RFM.Configuration.GetRegisterRequestMessage.GetRegisterRequestMessage(), RFPPF.Messages.RFM.Configuration.GetRegisterResponseMessage.GetRegisterResponseMessage(), RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage.GetSchedulerRequestMessage(), RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage.GetSchedulerResponseMessage(), RFPPF.Messages.RFM.Configuration.GetTimeResponseMessage.GetTimeResponseMessage(), RFPPF.Messages.RFM.Data.SensorMessages.GPIO16SensorMessage.GPIO16SensorMessage(), RFPPF.Messages.RFM.Data.SensorMessages.GPIOSensorMessage.GPIOSensorMessage(), RFPPF.Messages.RFM.RFMMessages.RFMMessages(), RFPPF.Messages.RFM.Event.Scheduler.ExecutedEventMessage.ExecutedEventMessage(), RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.SetRegisterRequestMessage(), RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.SetRegisterResponseMessage(), RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage(), RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.SI7021SensorMessage(), and RFPPF.Messages.RFM.Configuration.TesterCommandMessage.TesterCommandMessage().

6.47 RFPPF.Common.RFPPFHelper Class Reference

This class contains helper methods

Static Public Member Functions

- static byte[] [AppendArray](#) (byte[] source, byte[] append)
Append bytes to array
- static byte[] [BitStuffEncode](#) (byte[] data)
Encode array using bit-stuffing algorithm
- static byte[] [BitStuffDecode](#) (byte[] data)
Decode array using bit-stuffing algorithm
- static ushort [CalculateCRC16](#) (byte[] bytes)
Calculate CRC16(XModem) of array
- static string [ByteArrayToHexString](#) (byte[] bytes)
Convert bytes array to hexadecimal string representation
- static DateTime [ToDateTimeFromEpoch](#) (uint unixTimeStamp)
Converts the given epoch time to a DateTime with DateTimeKind.Utc kind.
- static uint [ToEpochTime](#) (DateTime dateTime)

- Converts the given date value to epoch time.
- static Array [ReDimAndPreserve](#) (Array inputArray, int newsize)
 - Resizes array with no data loss*
- static T [ByteArrayToStructure< T >](#) (byte[] bytes)
 - Convert bytes array to structure*
- static byte[] [StructureToByteArray< T >](#) (T structure)
 - Convert structure to bytes array*
- static byte [VoltageFloatToByte](#) (float voltage)
 - Convert voltage to byte*
- static float [VoltageByteToFloat](#) (byte voltage)
 - Convert voltage from byte*
- static byte [CalculateCS](#) (byte[] bytes)
 - Calculate bytes array checksum*

6.47.1 Detailed Description

This class contains helper methods

6.47.2 Member Function Documentation

6.47.2.1 AppendArray()

```
static byte [ ] RFPPF.Common.RFPPFHelper.AppendArray (
    byte[ ] source,
    byte[ ] append ) [inline], [static]
```

Append bytes to array

Parameters

<i>source</i>	Source array
<i>append</i>	Bytes to append

Returns

Result array

Referenced by RFPPF.Common.ProtocolParser.RetrieveBitStuffingMessageFromBuffer().

6.47.2.2 BitStuffEncode()

```
static byte [ ] RFPPF.Common.RFPPFHelper.BitStuffEncode (
    byte[ ] data ) [inline], [static]
```

Encode array using bit-stuffing algorithm

Parameters

<i>data</i>	Array to encode
-------------	-----------------

Returns

Encoded array

6.47.2.3 BitStuffDecode()

```
static byte [ ] RFPPF.Common.RFPPFHelper.BitStuffDecode (
    byte[ ] data ) [inline], [static]
```

Decode array using bit-stuffing algorithm

Parameters

<i>data</i>	Array to decode
-------------	-----------------

Returns

Decoded array

6.47.2.4 CalculateCRC16()

```
static ushort RFPPF.Common.RFPPFHelper.CalculateCRC16 (
    byte[ ] bytes ) [inline], [static]
```

Calculate CRC16(XModem) of array

Parameters

<i>bytes</i>	Array to calculate CRC
--------------	------------------------

Returns

CRC

6.47.2.5 ByteArrayToString()

```
static string RFPPF.Common.RFPPFHelper.ByteArrayToString (
    byte[ ] bytes ) [inline], [static]
```

Convert bytes array to hexadecimal string representation

Parameters

<i>bytes</i>	Bytes array to convert
--------------	------------------------

Returns

Hexadecimal string representation of bytes array

Referenced by RFPPF.Common.ProtocolParser.RetrieveBitStuffingMessageFromBuffer(), RFPPF.Common. \leftarrow ProtocolMessage.ToString(), RFPPF.Messages.RFM.Diagnostic.DiagnosticBinaryMessage.ToString(), and RFPPF.Messages.RFM.RFMMessages.ToString().

6.47.2.6 ToDateTimeFromEpoch()

```
static DateTime RFPPF.Common.RFPPFHelper.ToDateTimeFromEpoch (
    uint unixTimeStamp ) [inline], [static]
```

Converts the given epoch time to a DateTime with DateTimeKind.Utc kind.

6.47.2.7 ToEpochTime()

```
static uint RFPPF.Common.RFPPFHelper.ToEpochTime (
    DateTime dateTime ) [inline], [static]
```

Converts the given date value to epoch time.

6.47.2.8 ReDimAndPreserve()

```
static Array RFPPF.Common.RFPPFHelper.ReDimAndPreserve (
    Array inputArray,
    int newSize ) [inline], [static]
```

Resizes array with no data loss

Parameters

<i>inputArray</i>	Array to resize
<i>newsize</i>	New size of array

Returns

6.47.2.9 `ByteArrayToStructure< T >()`

```
static T RFPPF.Common.RFPPFHelper.ByteArrayToStructure< T > (
    byte[] bytes ) [inline], [static]
```

Convert bytes array to structure

Template Parameters

<i>T</i>	Structure type
----------	----------------

Parameters

<i>bytes</i>	Bytes array
--------------	-------------

Returns

Structure

Type Constraints

T : **struct**

6.47.2.10 `StructureToByteArray< T >()`

```
static byte [ ] RFPPF.Common.RFPPFHelper.StructureToByteArray< T > (
    T structure ) [inline], [static]
```

Convert structure to bytes array

Template Parameters

<i>T</i>	Structure type
----------	----------------

Parameters

<i>structure</i>	Structure
------------------	-----------

Returns

Bytes array

Type Constraints

T : **struct**

6.47.2.11 VoltageFloatToByte()

```
static byte RFPPF.Common.RFPPFHelper.VoltageFloatToByte (
    float voltage ) [inline], [static]
```

Convert voltage to byte

Parameters

<i>voltage</i>	Voltage float value
----------------	---------------------

Returns

Byte voltage value

6.47.2.12 VoltageByteToFloat()

```
static float RFPPF.Common.RFPPFHelper.VoltageByteToFloat (
    byte voltage ) [inline], [static]
```

Convert voltage from byte

Parameters

<i>voltage</i>	Byte voltage value
----------------	--------------------

Returns

Voltage float value

6.47.2.13 CalculateCS()

```
static byte RFPPF.Common.RFPPFHelper.CalculateCS (
    byte[] bytes ) [inline], [static]
```

Calculate bytes array checksum

Parameters

<i>bytes</i>	Bytes array
--------------	-------------

Returns

Checksum

Referenced by RFPPF.Messages.OldProtocol.ReceiverMessage.Parse().

6.48 RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage Class Reference

This class implements RF-Networks Mesh protocol scheduler executed event message

Inherits [RFPPF.Messages.RFM.Event.EventMessage](#).

Public Member Functions

- [SchedulerExecutedEventMessage \(\)](#)
Default constructor
- [SchedulerExecutedEventMessage \(SchedulerExecutedEventMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [uint DeviceID \[get, set\]](#)
Device ID
- [ushort SchedulerNumber \[get, set\]](#)
Scheduler number
- [override DateTime TS \[get, set\]](#)
Timestamp
- [uint Command \[get, set\]](#)
Scheduler Command

Additional Inherited Members

6.48.1 Detailed Description

This class implements RF-Networks Mesh protocol scheduler executed event message

6.48.2 Constructor & Destructor Documentation

6.48.2.1 SchedulerExecutedEventMessage() [1/2]

RFPFF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage () [inline]

Default constructor

References RFPPF.Messages.RFM.RFMMessages.body, RFPPF.Messages.RFM.RFMMessages.header, and RFPPF.Messages.RFM.RFMMessages.MessageType.

6.48.2.2 SchedulerExecutedEventMessage() [2/2]

```
RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage ( SchedulerExecutedEventMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

builder SchedulerExecutedEventMessage builder

References RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.Command, RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.DeviceID, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerNumber, RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.TS, and RFPPF.Messages.RFM.RFMMessages.Version.

6.48.3 Member Function Documentation

6.48.3.1 Parse()

```
override void RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.Parse (
    byte[] data) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

data Message as bytes array

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements RFPPF.Common.ProtocolMessage.

6.48.3.2 ToString()

```
override string RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.ToString () [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.Command, RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.DeviceID, RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerNumber, and RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.TS.

6.48.4 Property Documentation

6.48.4.1 DeviceID

```
uint RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.DeviceID [get], [set]
```

Device ID

Referenced by RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage(), and RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.ToString().

6.48.4.2 SchedulerNumber

```
ushort RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerNumber [get], [set]
```

Scheduler number

Referenced by RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage(), and RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.ToString().

6.48.4.3 TS

```
override DateTime RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.TS [get], [set]
```

Timestamp

Referenced by RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage(), and RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.ToString().

6.48.4.4 Command

```
uint RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.Command [get], [set]
```

Scheduler Command

Referenced by RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.SchedulerExecutedEventMessage(), and RFPPF.Messages.RFM.Event.SchedulerExecutedEventMessage.ToString().

6.49 RFPPF.Messages.RFM.Scheduler.SchedulerMessage Class Reference

This class implements RF-Networks Mesh protocol scheduler message

Inherits [RFPPF.Messages.RFM.RFMMessages](#).

Inherited by [RFPPF.Messages.RFM.Scheduler.GetSchedulerRequestMessage](#), [RFPPF.Messages.RFM.Scheduler.GetSchedulerResponseMessage](#), [RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage](#), and [RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage](#).

Additional Inherited Members

6.49.1 Detailed Description

This class implements RF-Networks Mesh protocol scheduler message

This class should be inherited by all scheduler type messages

6.50 RFPPF.Messages.RFM.Data.SensorRecord Class Reference

This class implements RF-Networks Mesh protocol sensor record

6.50.1 Detailed Description

This class implements RF-Networks Mesh protocol sensor record

6.51 RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage Class Reference

This class implements RF-Networks Mesh protocol set register request message

Inherits [RFPPF.Messages.RFM.Configuration.ConfigureMessage](#).

Public Member Functions

- `SetRegisterRequestMessage ()`
Default constructor
- `SetRegisterRequestMessage (SetRegisterRequestMessageBuilder builder)`
Parameterized constructor implementing builder design pattern
- `override void Parse (byte[] data)`
Parses bytes array to protocol message
- `override string ToString ()`
String representation of the message

Properties

- `uint DeviceID [get, set]`
Device ID
- `ushort RegisterNumber [get, set]`
Register number
- `uint RegisterValue [get, set]`
Register value

Additional Inherited Members

6.51.1 Detailed Description

This class implements RF-Networks Mesh protocol set register request message

6.51.2 Constructor & Destructor Documentation

6.51.2.1 SetRegisterRequestMessage() [1/2]

```
RFFPF.Messages.RFM.Configuration.SetRegisterRequestMessage.SetRegisterRequestMessage ( ) [inline]
```

Default constructor

6.51.2.2 SetRegisterRequestMessage() [2/2]

```
RFFPF.Messages.RFM.Configuration.SetRegisterRequestMessage.SetRegisterRequestMessage ( 
    SetRegisterRequestMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	SetRegisterRequestMessageBuilder builder
----------------	--

References RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.DeviceID, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.RegisterNumber, RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.RegisterValue, and RFPPF.Messages.RFM.RFMMessages.Version.

6.51.3 Member Function Documentation

6.51.3.1 Parse()

```
override void RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.51.3.2 ToString()

```
override string RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.DeviceID, RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.RegisterNumber, and RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.RegisterValue.

6.51.4 Property Documentation

6.51.4.1 DeviceID

`uint RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.DeviceID [get], [set]`

Device ID

Referenced by `RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.SetRegisterRequestMessage()`, and `RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.ToString()`.

6.51.4.2 RegisterNumber

`ushort RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.RegisterNumber [get], [set]`

Register number

Referenced by `RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.SetRegisterRequestMessage()`, and `RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.ToString()`.

6.51.4.3 RegisterValue

`uint RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.RegisterValue [get], [set]`

Register value

Referenced by `RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.SetRegisterRequestMessage()`, and `RFPPF.Messages.RFM.Configuration.SetRegisterRequestMessage.ToString()`.

6.52 RFPPF.Messages.RFM.Configuration.SetRegisterResponse Message Class Reference

This class implements RF-Networks Mesh protocol set register response message

Inherits [RFPPF.Messages.RFM.Configuration.ConfigureMessage](#).

Public Member Functions

- [SetRegisterResponseMessage \(\)](#)
Default constructor
- [SetRegisterResponseMessage \(SetRegisterResponseMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- `override void Parse (byte[] data)`
Parses bytes array to protocol message
- `override string ToString ()`
String representation of the message

Properties

- uint [DeviceID](#) [get, set]
Device ID
- ushort [RegisterNumber](#) [get, set]
Register number
- MessageStatus [Status](#) [get, set]
Status

Additional Inherited Members

6.52.1 Detailed Description

This class implements RF-Networks Mesh protocol set register response message

6.52.2 Constructor & Destructor Documentation

6.52.2.1 SetRegisterResponseMessage() [1/2]

```
RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.SetRegisterResponseMessage ( )  
[inline]
```

Default constructor

6.52.2.2 SetRegisterResponseMessage() [2/2]

```
RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.SetRegisterResponseMessage ( )  
SetRegisterResponseMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	SetRegisterResponseMessage <i>builder</i>
----------------	---

References [RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.DeviceID](#), [RFPPF.Messages.RFM.RFMMessages.MessageNumber](#), [RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.RegisterNumber](#), [RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.Status](#), and [RFPPF.Messages.RFM.RFMMessages.Version](#).

6.52.3 Member Function Documentation

6.52.3.1 Parse()

```
override void RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.52.3.2 ToString()

```
override string RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.DeviceID, RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.RegisterNumber, and RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.Status.

6.52.4 Property Documentation

6.52.4.1 DeviceID

```
uint RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.DeviceID [get], [set]
```

Device ID

Referenced by RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.SetRegisterResponseMessage(), and RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.ToString().

6.52.4.2 RegisterNumber

ushort RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.RegisterNumber [get], [set]

Register number

Referenced by RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.SetRegisterResponseMessage(), and RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.ToString().

6.52.4.3 Status

MessageStatus RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.Status [get], [set]

Status

Referenced by RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.SetRegisterResponseMessage(), and RFPPF.Messages.RFM.Configuration.SetRegisterResponseMessage.ToString().

6.53 RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage Class Reference

This class implements RF-Networks Mesh protocol set scheduler request message

Inherits [RFPPF.Messages.RFM.Scheduler.SchedulerMessage](#).

Public Member Functions

- [SetSchedulerRequestMessage \(\)](#)
Default constructor
- [SetSchedulerRequestMessage \(SetSchedulerRequestMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [uint DeviceID \[get, set\]](#)
Device ID
- [ushort SchedulerNumber \[get, set\]](#)
Scheduler number
- [DateTime SchedulerStartTime \[get, set\]](#)
Scheduler execution start time
- [TimeSpan SchedulerPeriod \[get, set\]](#)
Scheduler period in minutes
- [uint SchedulerNumberOfExecutions \[get, set\]](#)
Scheduler Number Of Executions
- [uint Command \[get, set\]](#)
Scheduler Command

Additional Inherited Members

6.53.1 Detailed Description

This class implements RF-Networks Mesh protocol set scheduler request message

6.53.2 Constructor & Destructor Documentation

6.53.2.1 SetSchedulerRequestMessage() [1/2]

RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage () [inline]

Default constructor

References RFPPF.Messages.RFM.RFMMessages.body, RFPPF.Messages.RFM.RFMMessages.header, and RFPPF.Messages.RFM.RFMMessages.MessageType.

6.53.2.2 SetSchedulerRequestMessage() [2/2]

`RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage (SetSchedulerRequestMessageBuilder builder) [inline]`

Parameterized constructor implementing builder design pattern

Parameters

builder [SetSchedulerRequestMessage](#) builder

References RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.Command, RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.DeviceID, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerNumber, RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerNumberOfExecutions, RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerPeriod, RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerStartTime, and RFPPF.Messages.RFM.RFMMessages.Version.

6.53.3 Member Function Documentation

6.53.3.1 Parse()

```
override void RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.Parse (
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessage.Parse\(byte\[\]\)](#) method

Reimplemented from [RFPPF.Messages.RFM.RFMMessage](#).

6.53.3.2 ToString()

```
override string RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.ToString () [inline]
```

String representation of the message

Returns

References RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.Command, RFPPF.Messages.RF↔M.Scheduler.SetSchedulerRequestMessage.DeviceID, RFPPF.Messages.RFM.Scheduler.SetSchedulerRequest↔Message.SchedulerNumber, RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.Scheduler↔NumberOfExecutions, RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerPeriod, and RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerStartTime.

6.53.4 Property Documentation

6.53.4.1 DeviceID

```
uint RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.DeviceID [get], [set]
```

Device ID

Referenced by RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequest↔Message(), and RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.ToString().

6.53.4.2 SchedulerNumber

```
ushort RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerNumber [get], [set]
```

Scheduler number

Referenced by RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequest↔Message(), and RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.ToString().

6.53.4.3 SchedulerStartTime

```
DateTime RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerStartTime [get],  
[set]
```

Scheduler execution start time

Referenced by RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage(), and RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.ToString().

6.53.4.4 SchedulerPeriod

```
TimeSpan RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerPeriod [get], [set]
```

Scheduler period in minutes

Referenced by RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage(), and RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.ToString().

6.53.4.5 SchedulerNumberOfExecutions

```
uint RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SchedulerNumberOfExecutions [get],  
[set]
```

Scheduler Number Of Executions

Referenced by RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage(), and RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.ToString().

6.53.4.6 Command

```
uint RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.Command [get], [set]
```

Scheduler Command

Referenced by RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.SetSchedulerRequestMessage(), and RFPPF.Messages.RFM.Scheduler.SetSchedulerRequestMessage.ToString().

6.54 RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage Class Reference

This class implements RF-Networks Mesh protocol set scheduler response message

Inherits [RFPPF.Messages.RFM.Scheduler.SchedulerMessage](#).

Public Member Functions

- [SetSchedulerResponseMessage \(\)](#)
Default constructor
- [SetSchedulerResponseMessage \(SetSchedulerResponseMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message
- [override string ToString \(\)](#)
String representation of the message

Properties

- [uint DeviceID \[get, set\]](#)
Device ID
- [ushort SchedulerNumber \[get, set\]](#)
Scheduler number
- [MessageStatus Status \[get, set\]](#)
Status

Additional Inherited Members

6.54.1 Detailed Description

This class implements RF-Networks Mesh protocol set scheduler response message

6.54.2 Constructor & Destructor Documentation

6.54.2.1 SetSchedulerResponseMessage() [1/2]

```
RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SetSchedulerResponseMessage ( ) [inline]
```

Default constructor

References RFPPF.Messages.RFM.RFMMessages.RFMMMessage.body, RFPPF.Messages.RFM.RFMMessages.RFMMMessage.header, and RFPPF.Messages.RFM.RFMMessages.RFMMMessage.MessageType.

6.54.2.2 SetSchedulerResponseMessage() [2/2]

```
RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SetSchedulerResponseMessage (
    SetSchedulerResponseMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	SetSchedulerResponseMessage builder
----------------	---

References [RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.DeviceID](#), [RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SchedulerNumber](#), [RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.Status](#), and [RFPPF.Messages.RFM.RFMMessages.Version](#).

6.54.3 Member Function Documentation

6.54.3.1 Parse()

```
override void RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Reimplemented from [RFPPF.Messages.RFM.RFMMessages](#).

6.54.3.2 ToString()

```
override string RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References [RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.DeviceID](#), [RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SchedulerNumber](#), and [RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.Status](#).

6.54.4 Property Documentation

6.54.4.1 DeviceID

`uint RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.DeviceID [get], [set]`

Device ID

Referenced by `RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SetSchedulerResponseMessage()`, and `RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.ToString()`.

6.54.4.2 SchedulerNumber

`ushort RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SchedulerNumber [get], [set]`

Scheduler number

Referenced by `RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SetSchedulerResponseMessage()`, and `RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.ToString()`.

6.54.4.3 Status

`MessageStatus RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.Status [get], [set]`

Status

Referenced by `RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.SetSchedulerResponseMessage()`, and `RFPPF.Messages.RFM.Scheduler.SetSchedulerResponseMessage.ToString()`.

6.55 RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage Class Reference

This class implements RF-Networks Mesh protocol SI7021 sensor message

Inherits [RFPPF.Messages.RFM.Data.DataSensorMessage](#).

Public Member Functions

- **SI7021SensorMessage ()**
Default constructor
- **SI7021SensorMessage (SI7021SensorMessageBuilder builder)**
Parameterized constructor implementing builder design pattern
- **override void Parse (byte[] data)**
Parses bytes array to protocol message
- **override string ToString ()**
String representation of the message

Properties

- float **Temperature** [get, set]
Temperature
- float **Humidity** [get, set]
Humidity

6.55.1 Detailed Description

This class implements RF-Networks Mesh protocol SI7021 sensor message

6.55.2 Constructor & Destructor Documentation

6.55.2.1 SI7021SensorMessage() [1/2]

RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.SI7021SensorMessage () [inline]

Default constructor

6.55.2.2 SI7021SensorMessage() [2/2]

RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.SI7021SensorMessage (SI7021SensorMessageBuilder builder) [inline]

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	SI7021SensorMessageBuilder builder
----------------	------------------------------------

References RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.Humidity, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Data.DataSensorMessage.SensorType, RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.Temperature, and RFPPF.Messages.RFM.RFMMessage.Version.

6.55.3 Member Function Documentation

6.55.3.1 Parse()

```
override void RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.55.3.2 ToString()

```
override string RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.ToString ( ) [inline]
```

String representation of the message

Returns

References [RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.Humidity](#), and [RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.Temperature](#).

6.55.4 Property Documentation

6.55.4.1 Temperature

```
float RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.Temperature [get], [set]
```

Temperature

Referenced by [RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.SI7021SensorMessage\(\)](#), and [RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.ToString\(\)](#).

6.55.4.2 Humidity

```
float RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.Humidity [get], [set]
```

Humidity

Referenced by RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.SI7021SensorMessage(), and RFPPF.Messages.RFM.Data.SensorMessages.SI7021SensorMessage.ToString().

6.56 RFPPF.Messages.OldProtocol.TagActivateMessage Class Reference

This class represents protocol Tag device activate type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagActivateMessage \(\)](#)
Default constructor
- [TagActivateMessage \(TagActivateMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override string [ToString \(\)](#)
Message string representation

Properties

- byte [SensorAlertCounter](#) [get, set]
Sensor Alert Counter
- byte [AccelerometerAlertCounter](#) [get, set]
Accelerometer Alert Counter
- byte [Activator](#) [get, set]
Activator number

Additional Inherited Members

6.56.1 Detailed Description

This class represents protocol Tag device activate type message

6.56.2 Constructor & Destructor Documentation

6.56.2.1 TagActivateMessage() [1/2]

```
RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage ( ) [inline]
```

Default constructor

6.56.2.2 TagActivateMessage() [2/2]

```
RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage (
    TagActivateMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	TagActivateMessage <i>builder</i>
----------------	---

References RFPPF.Messages.OldProtocol.TagActivateMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagActivateMessage.Activator, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagActivateMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.56.3 Member Function Documentation

6.56.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagActivateMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagActivateMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagActivateMessage.Activator, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagActivateMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.56.4 Property Documentation

6.56.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagActivateMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage(), and RFPPF. \leftarrow Messages.OldProtocol.TagActivateMessage.ToString().

6.56.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagActivateMessage.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage(), and RFPPF. \leftarrow Messages.OldProtocol.TagActivateMessage.ToString().

6.56.4.3 Activator

```
byte RFPPF.Messages.OldProtocol.TagActivateMessage.Activator [get], [set]
```

Activator number

Referenced by RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage(), and RFPPF. \leftarrow Messages.OldProtocol.TagActivateMessage.ToString().

6.57 RFPPF.Messages.OldProtocol.TagAgroMessage Class Reference

This class represents protocol Tag device agro type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagAgroMessage \(\)](#)
Default constructor
- [TagAgroMessage \(TagAgroMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- ushort [AgroValueA](#) [get, set]
Agro value A
- ushort [AgroValueB](#) [get, set]
Agro value B
- float [Voltage](#) [get, set]
Tag battery voltage in volts

Additional Inherited Members

6.57.1 Detailed Description

This class represents protocol Tag device agro type message

6.57.2 Constructor & Destructor Documentation

6.57.2.1 [TagAgroMessage\(\)](#) [1/2]

```
RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage( ) [inline]
```

Default constructor

6.57.2.2 [TagAgroMessage\(\)](#) [2/2]

```
RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage( TagAgroMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	TagAgroMessage <i>builder</i>
----------------	---

References RFPPF.Messages.OldProtocol.TagAgroMessage.AgroValueA, RFPPF.Messages.OldProtocol.TagAgroMessage.AgroValueB, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagAgroMessage.Voltage.

6.57.3 Member Function Documentation

6.57.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagAgroMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagAgroMessage.AgroValueA, RFPPF.Messages.OldProtocol.TagAgroMessage.AgroValueB, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagAgroMessage.Voltage.

6.57.4 Property Documentation

6.57.4.1 AgroValueA

```
ushort RFPPF.Messages.OldProtocol.TagAgroMessage.AgroValueA [get], [set]
```

Agro value A

Referenced by RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage(), and RFPPF.Messages.OldProtocol.TagAgroMessage.ToString().

6.57.4.2 AgroValueB

```
ushort RFPPF.Messages.OldProtocol.TagAgroMessage.AgroValueB [get], [set]
```

Agro value B

Referenced by RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage(), and RFPPF.Messages.OldProtocol.TagAgroMessage.ToString().

6.57.4.3 Voltage

```
float RFPPF.Messages.OldProtocol.TagAgroMessage.Voltage [get], [set]
```

Tag battery voltage in volts

Referenced by RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage(), and RFPPF.Messages.OldProtocol.TagAgroMessage.ToString().

6.58 RFPPF.Messages.OldProtocol.TagAnalogCounterMessage Class Reference

This class represents protocol Tag device analog counter type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagAnalogCounterMessage \(\)](#)
Default constructor
- [TagAnalogCounterMessage \(TagAnalogCounterMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override string [ToString \(\)](#)
Message string representation

Properties

- ushort [AnalogValue](#) [get, set]
Analog value
- ushort [Counter](#) [get, set]
Counter
- float [Voltage](#) [get, set]
Tag battery voltage in volts

Additional Inherited Members

6.58.1 Detailed Description

This class represents protocol Tag device analog counter type message

6.58.2 Constructor & Destructor Documentation

6.58.2.1 TagAnalogCounterMessage() [1/2]

`RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage ()` [inline]

Default constructor

6.58.2.2 TagAnalogCounterMessage() [2/2]

`RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage (TagAnalogCounterMessageBuilder builder)` [inline]

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagAnalogCounterMessage builder</code>
----------------------	--

References RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.AnalogValue, RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.Counter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.Voltage.

6.58.3 Member Function Documentation**6.58.3.1 ToString()**

```
override string RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.AnalogValue, RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.Counter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.Voltage.

6.58.4 Property Documentation**6.58.4.1 AnalogValue**

```
ushort RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.AnalogValue [get], [set]
```

Analog value

Referenced by RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage(), and RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.ToString().

6.58.4.2 Counter

`ushort RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.Counter [get], [set]`

Counter

Referenced by `RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage()`, and `R↔FPPF.Messages.OldProtocol.TagAnalogCounterMessage.ToString()`.

6.58.4.3 Voltage

`float RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.Voltage [get], [set]`

Tag battery voltage in volts

Referenced by `RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage()`, and `R↔FPPF.Messages.OldProtocol.TagAnalogCounterMessage.ToString()`.

6.59 RFPPF.Messages.OldProtocol.TagAnalogMessage Class Reference

This class represents protocol Tag device analog type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagAnalogMessage \(\)](#)
Default constructor
- [TagAnalogMessage \(TagAnalogMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override string [ToString \(\)](#)
Message string representation

Properties

- `ushort AnalogValue [get, set]`
Analog value
- `ushort AnalogValueB [get, set]`
Analog value B
- `float Voltage [get, set]`
Tag battery voltage in volts

Additional Inherited Members

6.59.1 Detailed Description

This class represents protocol Tag device analog type message

6.59.2 Constructor & Destructor Documentation

6.59.2.1 TagAnalogMessage() [1/2]

```
RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage( ) [inline]
```

Default constructor

6.59.2.2 TagAnalogMessage() [2/2]

```
RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage( TagAnalogMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagAnalogMessage</code> builder
----------------------	---------------------------------------

References RFPPF.Messages.OldProtocol.TagAnalogMessage.AnalogValue, RFPPF.Messages.OldProtocol.TagAnalogMessage.AnalogValueB, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagAnalogMessage.Voltage.

6.59.3 Member Function Documentation

6.59.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagAnalogMessage.AnalogValue, RFPPF.Messages.OldProtocol.TagAnalogMessage.AnalogValueB, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagAnalogMessage.Voltage.

6.59.4 Property Documentation

6.59.4.1 AnalogValue

```
ushort RFPPF.Messages.OldProtocol.TagAnalogMessage.AnalogValue [get], [set]
```

Analog value

Referenced by RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage(), and RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString().

6.59.4.2 AnalogValueB

```
ushort RFPPF.Messages.OldProtocol.TagAnalogMessage.AnalogValueB [get], [set]
```

Analog value B

Referenced by RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage(), and RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString().

6.59.4.3 Voltage

```
float RFPPF.Messages.OldProtocol.TagAnalogMessage.Voltage [get], [set]
```

Tag battery voltage in volts

Referenced by RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage(), and RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString().

6.60 RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage Class Reference

This class represents protocol Tag device angle calibration type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagAngleCalibrationMessage \(\)](#)
Default constructor
- [TagAngleCalibrationMessage \(TagAngleCalibrationMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- byte [SensorAlertCounter](#) [get, set]
Sensor Alert Counter
- byte [AccelerometerAlertCounter](#) [get, set]
Accelerometer Alert Counter
- sbyte [AccelerometerX](#) [get, set]
Accelerometer X
- sbyte [AccelerometerY](#) [get, set]
Accelerometer Y
- sbyte [AccelerometerZ](#) [get, set]
Accelerometer Z

Additional Inherited Members

6.60.1 Detailed Description

This class represents protocol Tag device angle calibration type message

6.60.2 Constructor & Destructor Documentation

6.60.2.1 TagAngleCalibrationMessage() [1/2]

```
RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage( ) [inline]
```

Default constructor

6.60.2.2 TagAngleCalibrationMessage() [2/2]

```
RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage( TagAngleCalibrationMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	TagAngleCalibrationMessage <i>builder</i>
----------------	---

References RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerX, RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.Tag

Message.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.Tag←
Message.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.Old←
Protocol.TagAngleCalibrationMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.←
TagID.

6.60.3 Member Function Documentation

6.60.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerAlertCounter, RF←
PPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerX, RFPPF.Messages.OldProtocol.←
TagAngleCalibrationMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.←
AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.Tag←
Message.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.Tag←
Message.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.Old←
Protocol.TagAngleCalibrationMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.←
TagID.

6.60.4 Property Documentation

6.60.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), and
RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString().

6.60.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerAlertCounter [get],  
[set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), and
RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString().

6.60.4.3 AccelerometerX

```
sbyte RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerX [get], [set]
```

Accelerometer X

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), and RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString().

6.60.4.4 AccelerometerY

```
sbyte RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerY [get], [set]
```

Accelerometer Y

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), and RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString().

6.60.4.5 AccelerometerZ

```
sbyte RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.AccelerometerZ [get], [set]
```

Accelerometer Z

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), and RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString().

6.61 RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibration Message Class Reference

This class represents protocol Tag device angle calibration recalibration type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagAngleCalibrationRecalibrationMessage \(\)](#)
Default constructor
- [TagAngleCalibrationRecalibrationMessage \(TagAngleCalibrationRecalibrationMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override string [ToString \(\)](#)
Message string representation

Properties

- byte `SensorAlertCounter` [get, set]
Sensor Alert Counter
- byte `AccelerometerAlertCounter` [get, set]
Accelerometer Alert Counter
- sbyte `AccelerometerX` [get, set]
Accelerometer X
- sbyte `AccelerometerY` [get, set]
Accelerometer Y
- sbyte `AccelerometerZ` [get, set]
Accelerometer Z

Additional Inherited Members

6.61.1 Detailed Description

This class represents protocol Tag device angle calibration recalibration type message

6.61.2 Constructor & Destructor Documentation

6.61.2.1 `TagAngleCalibrationRecalibrationMessage()` [1/2]

```
RFFPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibrationRecalibration<-->
Message ( ) [inline]
```

Default constructor

6.61.2.2 `TagAngleCalibrationRecalibrationMessage()` [2/2]

```
RFFPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibrationRecalibration<-->
Message ( TagAngleCalibrationRecalibrationMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagAngleCalibrationRecalibrationMessage</code> <code>builder</code>
----------------------	---

References `RFFPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerAlertCounter`, `RFFPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerX`, `RFFPF.Messages.Accelerometer`.

OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.61.3 Member Function Documentation

6.61.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerX, RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.61.4 Property Documentation

6.61.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibrationRecalibrationMessage(), and RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString().

6.61.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerAlert←  
Counter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibration←
RecalibrationMessage(), and RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString().

6.61.4.3 AccelerometerX

```
sbyte RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerX [get],  
[set]
```

Accelerometer X

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibration←
RecalibrationMessage(), and RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString().

6.61.4.4 AccelerometerY

```
sbyte RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerY [get],  
[set]
```

Accelerometer Y

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibration←
RecalibrationMessage(), and RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString().

6.61.4.5 AccelerometerZ

```
sbyte RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.AccelerometerZ [get],  
[set]
```

Accelerometer Z

Referenced by RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibration←
RecalibrationMessage(), and RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString().

6.62 RFPPF.Messages.OldProtocol.TagAngleMessage Class Reference

This class represents protocol Tag device angle type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagAngleMessage \(\)](#)
Default constructor
- [TagAngleMessage \(TagAngleMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- [byte SensorAlertCounter \[get, set\]](#)
Sensor Alert Counter
- [byte AccelerometerAlertCounter \[get, set\]](#)
Accelerometer Alert Counter
- [sbyte AccelerometerX \[get, set\]](#)
Accelerometer X
- [sbyte AccelerometerY \[get, set\]](#)
Accelerometer Y
- [sbyte AccelerometerZ \[get, set\]](#)
Accelerometer Z

Additional Inherited Members

6.62.1 Detailed Description

This class represents protocol Tag device angle type message

6.62.2 Constructor & Destructor Documentation

6.62.2.1 TagAngleMessage() [1/2]

```
RFPPF.Messages.OldProtocol.TagAngleMessage::TagAngleMessage ( ) [inline]
```

Default constructor

6.62.2.2 TagAngleMessage() [2/2]

```
RFPPF.Messages.OldProtocol.TagAngleMessage::TagAngleMessage ( TagAngleMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagAngleMessage</code> builder
----------------------	--------------------------------------

References RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerX, RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagAngleMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.62.3 Member Function Documentation**6.62.3.1 ToString()**

```
override string RFPPF.Messages.OldProtocol.TagAngleMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerX, RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagAngleMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.62.4 Property Documentation**6.62.4.1 SensorAlertCounter**

```
byte RFPPF.Messages.OldProtocol.TagAngleMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), and RFPPF.Messages.OldProtocol.TagAngleMessage.ToString().

6.62.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), and RFPPF.Messages.OldProtocol.TagAngleMessage.ToString().

6.62.4.3 AccelerometerX

```
sbyte RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerX [get], [set]
```

Accelerometer X

Referenced by RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), and RFPPF.Messages.OldProtocol.TagAngleMessage.ToString().

6.62.4.4 AccelerometerY

```
sbyte RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerY [get], [set]
```

Accelerometer Y

Referenced by RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), and RFPPF.Messages.OldProtocol.TagAngleMessage.ToString().

6.62.4.5 AccelerometerZ

```
sbyte RFPPF.Messages.OldProtocol.TagAngleMessage.AccelerometerZ [get], [set]
```

Accelerometer Z

Referenced by RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), and RFPPF.Messages.OldProtocol.TagAngleMessage.ToString().

6.63 RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage Class Reference

This class represents protocol Tag device average pulses per seconds type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- `TagAveragePulsesPerSecondMessage ()`
Default constructor
- `TagAveragePulsesPerSecondMessage (TagAveragePulsesPerSecondMessageBuilder builder)`
Parameterized constructor implementing builder design pattern
- override string `ToString ()`
Message string representation

Properties

- TimeSpan `Timestamp` [get, set]
Timestamp value
- float `PulsesPerSecond` [get, set]
Average pulses per second

Additional Inherited Members

6.63.1 Detailed Description

This class represents protocol Tag device average pulses per seconds type message

6.63.2 Constructor & Destructor Documentation

6.63.2.1 TagAveragePulsesPerSecondMessage() [1/2]

```
RFFPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.TagAveragePulsesPerSecondMessage (
) [inline]
```

Default constructor

References RFFPF.Messages.OldProtocol.TagMessage.MessageType.

6.63.2.2 TagAveragePulsesPerSecondMessage() [2/2]

```
RFFPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.TagAveragePulsesPerSecondMessage (
    TagAveragePulsesPerSecondMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagAveragePulsesPerSecondMessage</code> builder
----------------------	---

References RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.PulsesPerSecond, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.Timestamp.

6.63.3 Member Function Documentation

6.63.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.ToString () [inline]
```

Message string representation

Returns

6.63.4 Property Documentation

6.63.4.1 Timestamp

```
TimeSpan RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.Timestamp [get], [set]
```

Timestamp value

Referenced by RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.TagAveragePulsesPerSecondMessage().

6.63.4.2 PulsesPerSecond

```
float RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.PulsesPerSecond [get], [set]
```

Average pulses per second

Referenced by RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.TagAveragePulsesPerSecondMessage().

6.64 RFPPF.Messages.OldProtocol.TagCounterMessage Class Reference

This class represents protocol Tag device counter type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- `TagCounterMessage ()`
Default constructor
- `TagCounterMessage (TagCounterMessageBuilder builder)`
Parameterized constructor implementing builder design pattern
- `override string ToString ()`
Message string representation

Properties

- `uint Counter [get, set]`
Counter value
- `float Voltage [get, set]`
Tag battery voltage in volts

Additional Inherited Members

6.64.1 Detailed Description

This class represents protocol Tag device counter type message

6.64.2 Constructor & Destructor Documentation

6.64.2.1 `TagCounterMessage()` [1/2]

```
RFFPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage ( ) [inline]
```

Default constructor

6.64.2.2 `TagCounterMessage()` [2/2]

```
RFFPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage ( TagCounterMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagCounterMessage</code> builder
----------------------	--

References RFPPF.Messages.OldProtocol.TagCounterMessage.Counter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagCounterMessage.Voltage.

6.64.3 Member Function Documentation

6.64.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagCounterMessage.ToString() [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagCounterMessage.Counter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagCounterMessage.Voltage.

6.64.4 Property Documentation

6.64.4.1 Counter

```
uint RFPPF.Messages.OldProtocol.TagCounterMessage.Counter [get], [set]
```

Counter value

Referenced by RFPPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage(), and RFPPF.Messages.OldProtocol.TagCounterMessage.ToString().

6.64.4.2 Voltage

```
float RFPPF.Messages.OldProtocol.TagCounterMessage.Voltage [get], [set]
```

Tag battery voltage in volts

Referenced by RFPPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage(), and RFPPF.Messages.OldProtocol.TagCounterMessage.ToString().

6.65 RFPPF.Messages.OldProtocol.TagDistanceMessage Class Reference

This class represents protocol Tag device distance type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagDistanceMessage \(\)](#)
Default constructor
- [TagDistanceMessage \(TagDistanceMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override string [ToString \(\)](#)
Message string representation

Properties

- byte [SensorAlertCounter](#) [get, set]
Sensor Alert Counter
- byte [AccelerometerAlertCounter](#) [get, set]
Accelerometer Alert Counter
- ushort [Distance](#) [get, set]
Distance
- float [Voltage](#) [get, set]
Tag battery voltage in volts

Additional Inherited Members

6.65.1 Detailed Description

This class represents protocol Tag device distance type message

6.65.2 Constructor & Destructor Documentation

6.65.2.1 TagDistanceMessage() [1/2]

`RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage () [inline]`

Default constructor

6.65.2.2 TagDistanceMessage() [2/2]

`RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage (TagDistanceMessageBuilder builder) [inline]`

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagDistanceMessage builder</code>
----------------------	---

References RFPPF.Messages.OldProtocol.TagDistanceMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagDistanceMessage.Distance, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagDistanceMessage.SensorAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagDistanceMessage.Voltage.

6.65.3 Member Function Documentation

6.65.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString () [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagDistanceMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagDistanceMessage.Distance, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagDistanceMessage.SensorAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagDistanceMessage.Voltage.

6.65.4 Property Documentation

6.65.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagDistanceMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage(), and RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString().

6.65.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagDistanceMessage.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage(), and RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString().

6.65.4.3 Distance

```
ushort RFPPF.Messages.OldProtocol.TagDistanceMessage.Distance [get], [set]
```

Distance

Referenced by RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage(), and RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString().

6.65.4.4 Voltage

```
float RFPPF.Messages.OldProtocol.TagDistanceMessage.Voltage [get], [set]
```

Tag battery voltage in volts

Referenced by RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage(), and RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString().

6.66 RFPPF.Messages.OldProtocol.TagIButtonMessage Class Reference

This class represents protocol Tag device IButton type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagIButtonMessage \(\)](#)
Default constructor
- [TagIButtonMessage \(TagIButtonMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- Int64 [IButtonValue](#) [get, set]
IButton Value

Additional Inherited Members

6.66.1 Detailed Description

This class represents protocol Tag device IButton type message

6.66.2 Constructor & Destructor Documentation

6.66.2.1 TagIButtonMessage() [1/2]

`RFPPF.Messages.OldProtocol.TagIButtonMessage.TagIButtonMessage() [inline]`

Default constructor

6.66.2.2 TagIButtonMessage() [2/2]

`RFPPF.Messages.OldProtocol.TagIButtonMessage.TagIButtonMessage(TagIButtonMessageBuilder builder) [inline]`

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	TagIButtonMessage <code>builder</code>
----------------------	--

References `RFPPF.Messages.OldProtocol.TagMessage.GPIO7`, `RFPPF.Messages.OldProtocol.TagMessage.GPIO8`, `RFPPF.Messages.OldProtocol.TagMessage.GPIO9`, `RFPPF.Messages.OldProtocol.TagIButtonMessage.IButtonValue`, and `RFPPF.Messages.OldProtocol.TagMessage.TagID`.

6.66.3 Member Function Documentation

6.66.3.1 ToString()

`override string RFPPF.Messages.OldProtocol.TagIButtonMessage.ToString() [inline]`

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagIButtonMessage.IButtonValue, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.66.4 Property Documentation

6.66.4.1 IButtonValue

Int64 RFPPF.Messages.OldProtocol.TagIButtonMessage.IButtonValue [get], [set]

IButton Value

Referenced by RFPPF.Messages.OldProtocol.TagIButtonMessage.TagIButtonMessage(), and RFPPF.Messages.OldProtocol.TagIButtonMessage.ToString().

6.67 RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message Class Reference

This class represents protocol Tag device magnet detection GPIO 8 type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagMagnetDetectionGPIO8Message \(\)](#)
Default constructor
- [TagMagnetDetectionGPIO8Message \(TagMagnetDetectionGPIO8MessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- [byte SensorAlertCounter \[get, set\]](#)
Sensor Alert Counter
- [byte AccelerometerAlertCounter \[get, set\]](#)
Accelerometer Alert Counter

Additional Inherited Members

6.67.1 Detailed Description

This class represents protocol Tag device magnet detection GPIO 8 type message

6.67.2 Constructor & Destructor Documentation

6.67.2.1 TagMagnetDetectionGPIO8Message() [1/2]

```
RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message( )  
[inline]
```

Default constructor

6.67.2.2 TagMagnetDetectionGPIO8Message() [2/2]

```
RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message(   
    TagMagnetDetectionGPIO8MessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	TagMagnetDetectionGPIO8Message	builder
----------------	--------------------------------	---------

References RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.67.3 Member Function Documentation

6.67.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.ToString( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.AccelerometerAlertCounter, RFPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.67.4 Property Documentation

6.67.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message(), and RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.ToString().

6.67.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message(), and RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.ToString().

6.68 RFPPF.Messages.OldProtocol.TagMessage Class Reference

This class represents protocol Tag device message

Inherits [RFPPF.Common.ProtocolMessage](#).

Inherited by [RFPPF.Messages.OldProtocol.TagActivateMessage](#), [RFPPF.Messages.OldProtocol.TagAgroMessage](#), [RFPPF.Messages.OldProtocol.TagAnalogCounterMessage](#), [RFPPF.Messages.OldProtocol.TagAnalogMessage](#), [RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage](#), [RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage](#), [RFPPF.Messages.OldProtocol.TagAngleMessage](#), [RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage](#), [RFPPF.Messages.OldProtocol.TagCounterMessage](#), [RFPPF.Messages.OldProtocol.TagDistanceMessage](#), [RFPPF.Messages.OldProtocol.TagPushButtonMessage](#), [RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message](#), [RFPPF.Messages.OldProtocol.TagMovementAverageMessage](#), [RFPPF.Messages.OldProtocol.TagMovementMessage](#), [RFPPF.Messages.OldProtocol.TagNoMovementMessage](#), [RFPPF.Messages.OldProtocol.TagPeriodicMessage](#), [RFPPF.Messages.OldProtocol.TagPressureMessage](#), [RFPPF.Messages.OldProtocol.TagProductionMessage](#), [RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message](#), [RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message](#), [RFPPF.Messages.OldProtocol.TagTemperatureMessage](#), and [RFPPF.Messages.OldProtocol.TagTemperatureRHMessage](#).

Public Types

- enum [MessageTypes](#)
Tag message types
- enum [GPIOStatus](#)
GPIO status

Public Member Functions

- [TagMessage \(\)](#)
Default constructor
- [TagMessage \(TagMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override void [Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Protected Attributes

- byte[] [header](#)
Message header
- byte[] [body](#)
Message body

Properties

- byte [Size \[get\]](#)
Generated message number
- [MessageTypes? MessageType \[get, set\]](#)
MessageType
- uint [TagID \[get, set\]](#)
Tag ID
- [GPIOStatus?? GPIO7 \[get, set\]](#)
GPIO 7 status
- [GPIOStatus?? GPIO9 \[get, set\]](#)
GPIO 9 status
- [GPIOStatus?? GPIO8 \[get, set\]](#)
GPIO 8 status
- byte [MessageCounter \[get, set\]](#)
Message Counter
- byte [RSSI \[get, set\]](#)
RSSI
- sbyte [ReceptionLevel \[get, set\]](#)
Reception level in dBm
- override byte[] [Bytes \[get\]](#)
Message bytes getter

6.68.1 Detailed Description

This class represents protocol Tag device message

6.68.2 Member Enumeration Documentation

6.68.2.1 MessageTypes

```
enum RFPPF.Messages.OldProtocol.TagMessage.MessageTypes [strong]
```

Tag message types

6.68.2.2 GPIOStatus

```
enum RFPPF.Messages.OldProtocol.TagMessage.GPIOStatus [strong]
```

GPIO status

6.68.3 Constructor & Destructor Documentation

6.68.3.1 TagMessage() [1/2]

```
RFPPF.Messages.OldProtocol.TagMessage.TagMessage( ) [inline]
```

Default constructor

6.68.3.2 TagMessage() [2/2]

```
RFPPF.Messages.OldProtocol.TagMessage.TagMessage( TagMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	TagMessage builder
----------------	--------------------

References RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.68.4 Member Function Documentation

6.68.4.1 Parse()

```
override void RFPPF.Messages.OldProtocol.TagMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Implements [RFPPF.Common.ProtocolMessage](#).

References RFPPF.Messages.OldProtocol.TagMessage.body, RFPPF.Messages.OldProtocol.TagMessage.header, and RFPPF.Messages.OldProtocol.TagMessage.Size.

6.68.5 Field Documentation

6.68.5.1 header

```
byte [ ] RFPPF.Messages.OldProtocol.TagMessage.header [protected]
```

Message header

Referenced by RFPPF.Messages.OldProtocol.TagMessage.Parse().

6.68.5.2 body

```
byte [ ] RFPPF.Messages.OldProtocol.TagMessage.body [protected]
```

Message body

Referenced by RFPPF.Messages.OldProtocol.TagMessage.Parse().

6.68.6 Property Documentation

6.68.6.1 Size

`byte RFPPF.Messages.OldProtocol.TagMessage.Size [get]`

Generated message number

Message size

Referenced by `RFPPF.Messages.OldProtocol.TagMessage.Parse()`.

6.68.6.2 MessageType

`MessageTypes? RFPPF.Messages.OldProtocol.TagMessage.MessageType [get], [set]`

MessageType

Referenced by `RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.TagAveragePulsesPerSecondMessage()`.

6.68.6.3 TagID

`uint RFPPF.Messages.OldProtocol.TagMessage.TagID [get], [set]`

Tag ID

Referenced by `RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage()`, `RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage()`, `RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage()`, `RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage()`, `RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage()`, `RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibrationRecalibrationMessage()`, `RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage()`, `RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.TagAveragePulsesPerSecondMessage()`, `RFPPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage()`, `RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage()`, `RFPPF.Messages.OldProtocol.TagIButtonMessage.TagIButtonMessage()`, `RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message()`, `RFPPF.Messages.OldProtocol.TagMessage.TagMessage()`, `RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage()`, `RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage()`, `RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage()`, `RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage()`, `RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage()`, `RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message()`, `RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message()`, `RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage()`, `RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage()`, `RFPPF.Messages.OldProtocol.TagProductionMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.ToString()`, `RFPPF.Messages.OldProtocol.PushButtonGPIO8Message.ToString()`, `RFPPF.Messages.OldProtocol.TagIButtonMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagCounterMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagMovementAverageMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagActivateMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagAgroMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagMovementMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagAngleMessage.ToString()`, `RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString()`, and `RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString()`.

6.68.6.4 GPIO7

`GPIOStatus?? RFPPF.Messages.OldProtocol.TagMessage.GPIO7 [get], [set]`

GPIO 7 status

Referenced by RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage(), RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage(), RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage(), RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibrationRecalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), RFPPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage(), RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage(), RFPPF.Messages.OldProtocol.TagIButtonMessage.TagIButtonMessage(), RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message(), RFPPF.Messages.OldProtocol.TagMessage.TagMessage(), RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage(), RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage(), RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.TagProductionMessage(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage(), RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.ToString(), RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.ToString(), RFPPF.Messages.OldProtocol.TagIButtonMessage.ToString(), RFPPF.Messages.OldProtocol.TagCounterMessage.ToString(), RFPPF.Messages.OldProtocol.TagMovementAverageMessage.ToString(), RFPPF.Messages.OldProtocol.TagActivateMessage.ToString(), RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString(), RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.ToString(), RFPPF.Messages.OldProtocol.TagAgroMessage.ToString(), RFPPF.Messages.OldProtocol.TagPeriodicMessage.ToString(), RFPPF.Messages.OldProtocol.TagPressureMessage.ToString(), RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagMovementMessage.ToString(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.68.6.5 GPIO9

`GPIOStatus?? RFPPF.Messages.OldProtocol.TagMessage.GPIO9 [get], [set]`

GPIO 9 status

Referenced by RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage(), RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage(), RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage(), RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibrationRecalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), RFPPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage(), RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage(),

RFPPF.Messages.OldProtocol.TagIButtonMessage.TagIButtonMessage(), RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message(), RFPPF.Messages.OldProtocol.TagMessage.TagMessage(), RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage(), RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage(), RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.TagProductionMessage(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage(), RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString(), RFPPF.Messages.OldProtocol.TagCounterMessage.ToString(), RFPPF.Messages.OldProtocol.TagMovementAverageMessage.ToString(), RFPPF.Messages.OldProtocol.TagActivateMessage.ToString(), RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString(), RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.ToString(), RFPPF.Messages.OldProtocol.TagAgroMessage.ToString(), RFPPF.Messages.OldProtocol.TagPeriodicMessage.ToString(), RFPPF.Messages.OldProtocol.TagPressureMessage.ToString(), RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleRecalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagMovementMessage.ToString(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.68.6.6 GPIO8

`GPIOStatus?? RFPPF.Messages.OldProtocol.TagMessage.GPIO8 [get], [set]`

GPIO 8 status

Referenced by RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage(), RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage(), RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage(), RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibrationRecalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), RFPPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage(), RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage(), RFPPF.Messages.OldProtocol.TagIButtonMessage.TagIButtonMessage(), RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message(), RFPPF.Messages.OldProtocol.TagMessage.TagMessage(), RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage(), RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage(), RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.TagProductionMessage(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage(), RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString(), RFPPF.Messages.OldProtocol.TagCounterMessage.ToString(), RFPPF.Messages.OldProtocol.TagMovementAverageMessage.ToString(), RFPPF.Messages.OldProtocol.TagActivateMessage.ToString(), RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString(), RFPPF.Messages.OldProtocol.TagAgroMessage.ToString(), RFPPF.Messages.OldProtocol.TagPeriodicMessage.ToString().

Message.ToString(), RFPPF.Messages.OldProtocol.TagPressureMessage.ToString(), RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagMovementMessage.ToString(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.68.6.7 MessageCounter

```
byte RFPPF.Messages.OldProtocol.TagMessage.MessageCounter [get], [set]
```

Message Counter

Referenced by RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage(), RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage(), RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage(), RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibrationRecalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.TagAveragePulsesPerSecondMessage(), RFPPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage(), RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage(), RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message(), RFPPF.Messages.OldProtocol.TagMessage.TagMessage(), RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage(), RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage(), RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.TagProductionMessage(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage(), RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.ToString(), RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.ToString(), RFPPF.Messages.OldProtocol.TagCounterMessage.ToString(), RFPPF.Messages.OldProtocol.TagActivateMessage.ToString(), RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString(), RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.ToString(), RFPPF.Messages.OldProtocol.TagAgroMessage.ToString(), RFPPF.Messages.OldProtocol.TagPeriodicMessage.ToString(), RFPPF.Messages.OldProtocol.TagPressureMessage.ToString(), RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleMessage.ToString(), RFPPF.Messages.OldProtocol.TagMovementMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.68.6.8 RSSI

```
byte RFPPF.Messages.OldProtocol.TagMessage.RSSI [get], [set]
```

RSSI

6.68.6.9 ReceptionLevel

```
sbyte RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel [get], [set]
```

Reception level in dBm

Referenced by RFPPF.Messages.OldProtocol.TagActivateMessage.TagActivateMessage(), RFPPF.Messages.OldProtocol.TagAgroMessage.TagAgroMessage(), RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.TagAnalogCounterMessage(), RFPPF.Messages.OldProtocol.TagAnalogMessage.TagAnalogMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.TagAngleCalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.TagAngleCalibrationRecalibrationMessage(), RFPPF.Messages.OldProtocol.TagAngleMessage.TagAngleMessage(), RFPPF.Messages.OldProtocol.TagAveragePulsesPerSecondMessage.TagAveragePulsesPerSecondMessage(), RFPPF.Messages.OldProtocol.TagCounterMessage.TagCounterMessage(), RFPPF.Messages.OldProtocol.TagDistanceMessage.TagDistanceMessage(), RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.TagMagnetDetectionGPIO8Message(), RFPPF.Messages.OldProtocol.TagMessage.TagMessage(), RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage(), RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage(), RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.TagProductionMessage(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGP9Message(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage(), RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), RFPPF.Messages.OldProtocol.TagProductionMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.ToString(), RFPPF.Messages.OldProtocol.TagMagnetDetectionGPIO8Message.ToString(), RFPPF.Messages.OldProtocol.TagIButtonMessage.ToString(), RFPPF.Messages.OldProtocol.TagCounterMessage.ToString(), RFPPF.Messages.OldProtocol.TagMovementAverageMessage.ToString(), RFPPF.Messages.OldProtocol.TagActivateMessage.ToString(), RFPPF.Messages.OldProtocol.TagAgroMessage.ToString(), RFPPF.Messages.OldProtocol.TagAnalogMessage.ToString(), RFPPF.Messages.OldProtocol.TagAnalogCounterMessage.ToString(), RFPPF.Messages.OldProtocol.TagPressureMessage.ToString(), RFPPF.Messages.OldProtocol.TagDistanceMessage.ToString(), RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleCalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleCalibrationRecalibrationMessage.ToString(), RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString(), RFPPF.Messages.OldProtocol.TagAngleMessage.ToString(), RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.68.6.10 Bytes

```
override byte [] RFPPF.Messages.OldProtocol.TagMessage.Bytes [get]
```

Message bytes getter

Returns

Message as bytes array

6.69 RFPPF.Messages.OldProtocol.TagMovementAverageMessage Class Reference

This class represents protocol Tag device movement avarage type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagMovementAverageMessage \(\)](#)
Default constructor
- [TagMovementAverageMessage \(TagMovementAverageMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override string [ToString \(\)](#)
Message string representation

Properties

- long [MovementAverage \[get, set\]](#)
Movement average value
- float [Voltage \[get, set\]](#)
Tag battery voltage in volts

Additional Inherited Members

6.69.1 Detailed Description

This class represents protocol Tag device movement avarage type message

6.69.2 Constructor & Destructor Documentation

6.69.2.1 TagMovementAverageMessage() [1/2]

RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage () [inline]

Default constructor

6.69.2.2 TagMovementAverageMessage() [2/2]

RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage (TagMovementAverageMessageBuilder builder) [inline]

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagMovementAverageMessage</code> builder
----------------------	--

References RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMovementAverageMessage.MovementAverage, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagMovementAverageMessage.Voltage.

6.69.3 Member Function Documentation

6.69.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagMovementAverageMessage.ToString () [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMovementAverageMessage.MovementAverage, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagMovementAverageMessage.Voltage.

6.69.4 Property Documentation

6.69.4.1 MovementAverage

```
long RFPPF.Messages.OldProtocol.TagMovementAverageMessage.MovementAverage [get], [set]
```

Movement average value

Referenced by RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage(), and RFPPF.Messages.OldProtocol.TagMovementAverageMessage.ToString().

6.69.4.2 Voltage

```
float RFPPF.Messages.OldProtocol.TagMovementAverageMessage.Voltage [get], [set]
```

Tag battery voltage in volts

Referenced by RFPPF.Messages.OldProtocol.TagMovementAverageMessage.TagMovementAverageMessage(), and RFPPF.Messages.OldProtocol.TagMovementAverageMessage.ToString().

6.70 RFPPF.Messages.OldProtocol.TagMovementMessage Class Reference

This class represents protocol Tag device movement type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagMovementMessage \(\)](#)
Default constructor
- [TagMovementMessage \(TagMovementMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override string [ToString \(\)](#)
Message string representation

Properties

- byte [SensorAlertCounter](#) [get, set]
Sensor Alert Counter
- byte [AccelerometerAlertCounter](#) [get, set]
Accelerometer Alert Counter
- sbyte [AccelerometerX](#) [get, set]
Accelerometer X
- sbyte [AccelerometerY](#) [get, set]
Accelerometer Y
- sbyte [AccelerometerZ](#) [get, set]
Accelerometer Z

Additional Inherited Members

6.70.1 Detailed Description

This class represents protocol Tag device movement type message

6.70.2 Constructor & Destructor Documentation

6.70.2.1 [TagMovementMessage\(\) \[1/2\]](#)

`RFPPF.Messages.OldProtocol.TagMovementMessage::TagMovementMessage () [inline]`

Default constructor

6.70.2.2 [TagMovementMessage\(\) \[2/2\]](#)

`RFPPF.Messages.OldProtocol.TagMovementMessage::TagMovementMessage (TagMovementMessageBuilder builder) [inline]`

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagMovementMessage builder</code>
----------------------	---

References RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerX, RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMovementMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.70.3 Member Function Documentation**6.70.3.1 ToString()**

```
override string RFPPF.Messages.OldProtocol.TagMovementMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerX, RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMovementMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.70.4 Property Documentation**6.70.4.1 SensorAlertCounter**

```
byte RFPPF.Messages.OldProtocol.TagMovementMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), and RFPPF.Messages.OldProtocol.TagMovementMessage.ToString().

6.70.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), and RFPPF.Messages.OldProtocol.TagMovementMessage.ToString().

6.70.4.3 AccelerometerX

```
sbyte RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerX [get], [set]
```

Accelerometer X

Referenced by RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), and RFPPF.Messages.OldProtocol.TagMovementMessage.ToString().

6.70.4.4 AccelerometerY

```
sbyte RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerY [get], [set]
```

Accelerometer Y

Referenced by RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), and RFPPF.Messages.OldProtocol.TagMovementMessage.ToString().

6.70.4.5 AccelerometerZ

```
sbyte RFPPF.Messages.OldProtocol.TagMovementMessage.AccelerometerZ [get], [set]
```

Accelerometer Z

Referenced by RFPPF.Messages.OldProtocol.TagMovementMessage.TagMovementMessage(), and RFPPF.Messages.OldProtocol.TagMovementMessage.ToString().

6.71 RFPPF.Messages.OldProtocol.TagNoMovementMessage Class Reference

This class represents protocol Tag device no movement type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagNoMovementMessage \(\)](#)
Default constructor
- [TagNoMovementMessage \(TagNoMovementMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- [byte SensorAlertCounter \[get, set\]](#)
Sensor Alert Counter
- [byte AccelerometerAlertCounter \[get, set\]](#)
Accelerometer Alert Counter
- [sbyte AccelerometerX \[get, set\]](#)
Accelerometer X
- [sbyte AccelerometerY \[get, set\]](#)
Accelerometer Y
- [sbyte AccelerometerZ \[get, set\]](#)
Accelerometer Z

Additional Inherited Members

6.71.1 Detailed Description

This class represents protocol Tag device no movement type message

6.71.2 Constructor & Destructor Documentation

6.71.2.1 TagNoMovementMessage() [1/2]

```
RFFPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage ( ) [inline]
```

Default constructor

6.71.2.2 TagNoMovementMessage() [2/2]

```
RFFPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage (
    TagNoMovementMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	TagMovementNoMessage builder
----------------	------------------------------

References RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerX, RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagNoMovementMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.71.3 Member Function Documentation

6.71.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerX, RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerY, RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerZ, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagNoMovementMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.71.4 Property Documentation

6.71.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagNoMovementMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), and RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString().

6.71.4.2 AccelerometerAlertCounter

```
sbyte RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), and RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString().

6.71.4.3 AccelerometerX

```
sbyte RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerX [get], [set]
```

Accelerometer X

Referenced by RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), and RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString().

6.71.4.4 AccelerometerY

```
sbyte RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerY [get], [set]
```

Accelerometer Y

Referenced by RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), and RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString().

6.71.4.5 AccelerometerZ

```
sbyte RFPPF.Messages.OldProtocol.TagNoMovementMessage.AccelerometerZ [get], [set]
```

Accelerometer Z

Referenced by RFPPF.Messages.OldProtocol.TagNoMovementMessage.TagNoMovementMessage(), and RFPPF.Messages.OldProtocol.TagNoMovementMessage.ToString().

6.72 RFPPF.Messages.OldProtocol.TagPeriodicMessage Class Reference

This class represents protocol Tag device periodic type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagPeriodicMessage \(\)](#)
Default constructor
- [TagPeriodicMessage \(TagPeriodicMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- [byte SensorAlertCounter \[get, set\]](#)
Sensor Alert Counter
- [byte AccelerometerAlertCounter \[get, set\]](#)
Accelerometer Alert Counter
- [float Voltage \[get, set\]](#)
Tag battery voltage in volts

Additional Inherited Members

6.72.1 Detailed Description

This class represents protocol Tag device periodic type message

6.72.2 Constructor & Destructor Documentation

6.72.2.1 TagPeriodicMessage() [1/2]

RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage () [inline]

Default constructor

6.72.2.2 TagPeriodicMessage() [2/2]

RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage (TagPeriodicMessageBuilder builder) [inline]

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	TagPeriodicMessage <code>builder</code>
----------------------	---

References RFPPF.Messages.OldProtocol.TagPeriodicMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagPeriodicMessage.SensorAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagPeriodicMessage.Voltage.

6.72.3 Member Function Documentation

6.72.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagPeriodicMessage.ToString () [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagPeriodicMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagPeriodicMessage.SensorAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagPeriodicMessage.Voltage.

6.72.4 Property Documentation

6.72.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagPeriodicMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage(), and RFPPF.Messages.OldProtocol.TagPeriodicMessage.ToString().

6.72.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagPeriodicMessage.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage(), and RFPPF.Messages.OldProtocol.TagPeriodicMessage.ToString().

6.72.4.3 Voltage

```
float RFPPF.Messages.OldProtocol.TagPeriodicMessage.Voltage [get], [set]
```

Tag battery voltage in volts

Referenced by RFPPF.Messages.OldProtocol.TagPeriodicMessage.TagPeriodicMessage(), and RFPPF.Messages.OldProtocol.TagPeriodicMessage.ToString().
←

6.73 RFPPF.Messages.OldProtocol.TagPressureMessage Class Reference

This class represents protocol Tag device pressure type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagPressureMessage \(\)](#)
Default constructor
- [TagPressureMessage \(TagPressureMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- override string [ToString \(\)](#)
Message string representation

Properties

- float [Temperature](#) [get, set]
Temperature
- float [Pressure](#) [get, set]
Pressure
- float [Humidity](#) [get, set]
Humidity

Additional Inherited Members

6.73.1 Detailed Description

This class represents protocol Tag device pressure type message

6.73.2 Constructor & Destructor Documentation

6.73.2.1 TagPressureMessage() [1/2]

RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage () [inline]

Default constructor

6.73.2.2 TagPressureMessage() [2/2]

RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage (TagPressureMessageBuilder builder) [inline]

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagPressureMessage</code> builder
----------------------	---

References RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagPressureMessage.Humidity, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagPressureMessage.Pressure, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagPressureMessage.Temperature.

6.73.3 Member Function Documentation

6.73.3.1 ToString()

override string RFPPF.Messages.OldProtocol.TagPressureMessage.ToString () [inline]

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagPressureMessage.Humidity, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagPressureMessage.Pressure, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagPressureMessage.Temperature.

6.73.4 Property Documentation

6.73.4.1 Temperature

```
float RFPPF.Messages.OldProtocol.TagPressureMessage.Temperature [get], [set]
```

Temperature

Referenced by RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage(), and RFPPF.Messages.OldProtocol.TagPressureMessage.ToString().
←

6.73.4.2 Pressure

```
float RFPPF.Messages.OldProtocol.TagPressureMessage.Pressure [get], [set]
```

Pressure

Referenced by RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage(), and RFPPF.Messages.OldProtocol.TagPressureMessage.ToString().
←

6.73.4.3 Humidity

```
float RFPPF.Messages.OldProtocol.TagPressureMessage.Humidity [get], [set]
```

Humidity

Referenced by RFPPF.Messages.OldProtocol.TagPressureMessage.TagPressureMessage(), and RFPPF.Messages.OldProtocol.TagPressureMessage.ToString().
←

6.74 RFPPF.Messages.OldProtocol.TagProductionMessage Class Reference

This class represents protocol Tag device production type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagProductionMessage \(\)](#)
Default constructor
- [TagProductionMessage \(TagProductionMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- byte [SensorAlertCounter](#) [get, set]
Sensor Alert Counter
- byte [AccelerometerAlertCounter](#) [get, set]
Accelerometer Alert Counter

Additional Inherited Members

6.74.1 Detailed Description

This class represents protocol Tag device production type message

6.74.2 Constructor & Destructor Documentation

6.74.2.1 [TagProductionMessage\(\)](#) [1/2]

```
RFPPF.Messages.OldProtocol.TagProductionMessage.TagProductionMessage( ) [inline]
```

Default constructor

6.74.2.2 [TagProductionMessage\(\)](#) [2/2]

```
RFPPF.Messages.OldProtocol.TagProductionMessage.TagProductionMessage( 
    TagProductionMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	TagProductionMessage <i>builder</i>
----------------	---

References RFPPF.Messages.OldProtocol.TagProductionMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagProductionMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.74.3 Member Function Documentation

6.74.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagProductionMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagProductionMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagProductionMessage.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.74.4 Property Documentation

6.74.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagProductionMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagProductionMessage.TagProductionMessage(), and RFPPF.Messages.OldProtocol.TagProductionMessage.ToString().

6.74.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagProductionMessage.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagProductionMessage.TagProductionMessage(), and RFPPF.Messages.OldProtocol.TagProductionMessage.ToString().

6.75 RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message Class Reference

This class represents protocol Tag device push button GPIO 8 type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- `TagPushButtonGPIO8Message ()`
Default constructor
- `TagPushButtonGPIO8Message (TagPushButtonGPIO8MessageBuilder builder)`
Parameterized constructor implementing builder design pattern
- override string `ToString ()`
Message string representation

Properties

- byte `SensorAlertCounter [get, set]`
Sensor Alert Counter
- byte `AccelerometerAlertCounter [get, set]`
Accelerometer Alert Counter

Additional Inherited Members

6.75.1 Detailed Description

This class represents protocol Tag device push button GPIO 8 type message

6.75.2 Constructor & Destructor Documentation

6.75.2.1 `TagPushButtonGPIO8Message()` [1/2]

```
RFFPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message ( ) [inline]
```

Default constructor

6.75.2.2 `TagPushButtonGPIO8Message()` [2/2]

```
RFFPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message (
    TagPushButtonGPIO8MessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagPushButtonGPIO8Message</code> builder
----------------------	--

References RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.75.3 Member Function Documentation

6.75.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.ToString () [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.SensorAlertCounter, and RFPPF.Messages.OldProtocol.TagMessage.TagID.

6.75.4 Property Documentation

6.75.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message(), and RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.ToString().

6.75.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.TagPushButtonGPIO8Message(), and RFPPF.Messages.OldProtocol.TagPushButtonGPIO8Message.ToString().

6.76 RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message Class Reference

This class represents protocol Tag device push button GPIO 9 type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagPushButtonGPIO9Message \(\)](#)
Default constructor
- [TagPushButtonGPIO9Message \(TagPushButtonGPIO9MessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- byte [SensorAlertCounter](#) [get, set]
Sensor Alert Counter
- byte [AccelerometerAlertCounter](#) [get, set]
Accelerometer Alert Counter
- ushort [AnalogValue](#) [get, set]
Analog value
- ushort [AnalogValueB](#) [get, set]
Analog value B
- float [Voltage](#) [get, set]
Tag battery voltage in volts

Additional Inherited Members

6.76.1 Detailed Description

This class represents protocol Tag device push button GPIO 9 type message

6.76.2 Constructor & Destructor Documentation

6.76.2.1 [TagPushButtonGPIO9Message\(\) \[1/2\]](#)

```
RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message ( ) [inline]
```

Default constructor

6.76.2.2 [TagPushButtonGPIO9Message\(\) \[2/2\]](#)

```
RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message (
    TagPushButtonGPIO9MessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagPushButtonGPIO9Message</code> builder
----------------------	--

References RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.AnalogValue, RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.AnalogValueB, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.SensorAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.Voltage.

6.76.3 Member Function Documentation

6.76.3.1 `ToString()`

```
override string RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.AnalogValue, RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.AnalogValueB, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.SensorAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.TagID, and RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.Voltage.

6.76.4 Property Documentation

6.76.4.1 `SensorAlertCounter`

```
byte RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message(), and RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString().

6.76.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.AccelerometerAlertCounter [get],  
[set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message(), and RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString().

6.76.4.3 AnalogValue

```
ushort RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.AnalogValue [get], [set]
```

Analog value

Referenced by RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message(), and RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString().

6.76.4.4 AnalogValueB

```
ushort RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.AnalogValueB [get], [set]
```

Analog value B

Referenced by RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message(), and RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString().

6.76.4.5 Voltage

```
float RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.Voltage [get], [set]
```

Tag battery voltage in volts

Referenced by RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.TagPushButtonGPIO9Message(), and RFPPF.Messages.OldProtocol.TagPushButtonGPIO9Message.ToString().

6.77 RFPPF.Messages.OldProtocol.TagTemperatureMessage Class Reference

This class represents protocol Tag device temperature type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagTemperatureMessage \(\)](#)
Default constructor
- [TagTemperatureMessage \(TagTemperatureMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- [byte SensorAlertCounter \[get, set\]](#)
Sensor Alert Counter
- [byte AccelerometerAlertCounter \[get, set\]](#)
Accelerometer Alert Counter
- [float Temperature \[get, set\]](#)
Temperature
- [float Voltage \[get, set\]](#)
Tag battery voltage in volts

Additional Inherited Members

6.77.1 Detailed Description

This class represents protocol Tag device temperature type message

6.77.2 Constructor & Destructor Documentation

6.77.2.1 TagTemperatureMessage() [1/2]

RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage () [inline]

Default constructor

6.77.2.2 TagTemperatureMessage() [2/2]

RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage (TagTemperatureMessageBuilder builder) [inline]

Parameterized constructor implementing builder design pattern

Parameters

<code>builder</code>	<code>TagTemperatureMessage</code> builder
----------------------	--

References RFPPF.Messages.OldProtocol.TagTemperatureMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagTemperatureMessage.SensorAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.TagID, RFPPF.Messages.OldProtocol.TagTemperatureMessage.Temperature, and RFPPF.Messages.OldProtocol.TagTemperatureMessage.Voltage.

6.77.3 Member Function Documentation

6.77.3.1 `ToString()`

```
override string RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagTemperatureMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.TagMessage.ReceptionLevel, RFPPF.Messages.OldProtocol.TagTemperatureMessage.SensorAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.TagID, RFPPF.Messages.OldProtocol.TagTemperatureMessage.Temperature, and RFPPF.Messages.OldProtocol.TagTemperatureMessage.Voltage.

6.77.4 Property Documentation

6.77.4.1 `SensorAlertCounter`

```
byte RFPPF.Messages.OldProtocol.TagTemperatureMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage(), and RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString().

6.77.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagTemperatureMessage.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage(), and RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString().

6.77.4.3 Temperature

```
float RFPPF.Messages.OldProtocol.TagTemperatureMessage.Temperature [get], [set]
```

Temperature

Referenced by RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage(), and RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString().

6.77.4.4 Voltage

```
float RFPPF.Messages.OldProtocol.TagTemperatureMessage.Voltage [get], [set]
```

Tag battery voltage in volts

Referenced by RFPPF.Messages.OldProtocol.TagTemperatureMessage.TagTemperatureMessage(), and RFPPF.Messages.OldProtocol.TagTemperatureMessage.ToString().

6.78 RFPPF.Messages.OldProtocol.TagTemperatureRHMessage Class Reference

This class represents protocol Tag device TemperatureRH type message

Inherits [RFPPF.Messages.OldProtocol.TagMessage](#).

Public Member Functions

- [TagTemperatureRHMessage \(\)](#)
Default constructor
- [TagTemperatureRHMessage \(TagTemperatureRHMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override string ToString \(\)](#)
Message string representation

Properties

- byte [SensorAlertCounter](#) [get, set]
Sensor Alert Counter
- byte [AccelerometerAlertCounter](#) [get, set]
Accelerometer Alert Counter
- float [Temperature](#) [get, set]
Temperature
- float [Humidity](#) [get, set]
Humidity
- float [Voltage](#) [get, set]
Tag battery voltage in volts

Additional Inherited Members

6.78.1 Detailed Description

This class represents protocol Tag device TemperatureRH type message

6.78.2 Constructor & Destructor Documentation

6.78.2.1 [TagTemperatureRHMessage\(\)](#) [1/2]

```
RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage ( ) [inline]
```

Default constructor

6.78.2.2 [TagTemperatureRHMessage\(\)](#) [2/2]

```
RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage ( TagTemperatureRHMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	TagTemperatureRHMessage <i>builder</i>
----------------	--

References RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.AccelerometerAlertCounter, RFPPF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPPF.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.Humidity, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.Tag

Message.ReceptionLevel, RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.SensorAlertCounter, R←FPPF.Messages.OldProtocol.TagMessage.TagID, RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.←Temperature, and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.Voltage.

6.78.3 Member Function Documentation

6.78.3.1 ToString()

```
override string RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString ( ) [inline]
```

Message string representation

Returns

References RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.AccelerometerAlertCounter, RFP←PF.Messages.OldProtocol.TagMessage.GPIO7, RFPPF.Messages.OldProtocol.TagMessage.GPIO8, RFPP←F.Messages.OldProtocol.TagMessage.GPIO9, RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.←Humidity, RFPPF.Messages.OldProtocol.TagMessage.MessageCounter, RFPPF.Messages.OldProtocol.Tag←Message.ReceptionLevel, RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.SensorAlertCounter, R←FPPF.Messages.OldProtocol.TagMessage.TagID, RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.←Temperature, and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.Voltage.

6.78.4 Property Documentation

6.78.4.1 SensorAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.SensorAlertCounter [get], [set]
```

Sensor Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.78.4.2 AccelerometerAlertCounter

```
byte RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.AccelerometerAlertCounter [get], [set]
```

Accelerometer Alert Counter

Referenced by RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.78.4.3 Temperature

```
float RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.Temperature [get], [set]
```

Temperature

Referenced by RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.78.4.4 Humidity

```
float RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.Humidity [get], [set]
```

Humidity

Referenced by RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.78.4.5 Voltage

```
float RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.Voltage [get], [set]
```

Tag battery voltage in volts

Referenced by RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.TagTemperatureRHMessage(), and RFPPF.Messages.OldProtocol.TagTemperatureRHMessage.ToString().

6.79 RFPPF.Messages.RFM.Configuration.TesterCommandMessage Class Reference

This class implements RF-Networks Mesh protocol tester command message

Inherits [RFPPF.Messages.RFM.Configuration.ConfigureMessage](#).

Public Member Functions

- [TesterCommandMessage \(\)](#)
Default constructor
- [TesterCommandMessage \(TesterCommandMessageBuilder builder\)](#)
Parameterized constructor implementing builder design pattern
- [override void Parse \(byte\[\] data\)](#)
Parses bytes array to protocol message

Properties

- ushort **Command** [get, set]
Command
- ushort **RegisterNumber** [get, set]
Register number
- uint **RegisterValue** [get, set]
Register Value

Additional Inherited Members

6.79.1 Detailed Description

This class implements RF-Networks Mesh protocol tester command message

6.79.2 Constructor & Destructor Documentation

6.79.2.1 TesterCommandMessage() [1/2]

```
RFPPF.Messages.RFM.Configuration.TesterCommandMessage.TesterCommandMessage( ) [inline]
```

Default constructor

6.79.2.2 TesterCommandMessage() [2/2]

```
RFPPF.Messages.RFM.Configuration.TesterCommandMessage.TesterCommandMessage( TesterCommandMessageBuilder builder ) [inline]
```

Parameterized constructor implementing builder design pattern

Parameters

<i>builder</i>	TesterCommandMessageBuilder
----------------	-----------------------------

References RFPPF.Messages.RFM.Configuration.TesterCommandMessage.Command, RFPPF.Messages.RFM.RFMMessages.MessageNumber, RFPPF.Messages.RFM.Configuration.TesterCommandMessage.RegisterNumber, RFPPF.Messages.RFM.Configuration.TesterCommandMessage.RegisterValue, and RFPPF.Messages.RFM.RFMMessages.Version.

6.79.3 Member Function Documentation

6.79.3.1 Parse()

```
override void RFPPF.Messages.RFM.Configuration.TesterCommandMessage.Parse (
    byte[] data ) [inline], [virtual]
```

Parses bytes array to protocol message

Parameters

<i>data</i>	Message as bytes array
-------------	------------------------

Overrides [RFMMessages.Parse\(byte\[\]\)](#) method

Implements [RFPPF.Common.ProtocolMessage](#).

6.79.4 Property Documentation

6.79.4.1 Command

```
ushort RFPPF.Messages.RFM.Configuration.TesterCommandMessage.Command [get], [set]
```

Command

Referenced by [RFPPF.Messages.RFM.Configuration.TesterCommandMessage.TesterCommandMessage\(\)](#).

6.79.4.2 RegisterNumber

```
ushort RFPPF.Messages.RFM.Configuration.TesterCommandMessage.RegisterNumber [get], [set]
```

Register number

Referenced by [RFPPF.Messages.RFM.Configuration.TesterCommandMessage.TesterCommandMessage\(\)](#).

6.79.4.3 RegisterValue

```
uint RFPPF.Messages.RFM.Configuration.TesterCommandMessage.RegisterValue [get], [set]
```

Register Value

Referenced by [RFPPF.Messages.RFM.Configuration.TesterCommandMessage.TesterCommandMessage\(\)](#).

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