

Product Engineering Guide

Compass v22 UserData v10 MRTC

Introduction

The UserData Compass Point sits on the Compass Network, and holds information about objects. This information becomes a central store for users to view and adjust values other devices on their system.

There are different devices and applications that can use information within a UserData:

The ObView application, running on a PC elsewhere on the system,

An Html browser, (accessed via the ObHttp OSM)

An SMS text message mobile phone, (accessed via the GSMSMS OSM or Compass Point).



Each UserData holds pages of information; the pages hold information about engineer-defined topics. Topics might include heating, boilers, floor 1, lighting, etc.

Each page holds up to 16 pieces of data: data read periodically from elsewhere; or data to be sent elsewhere. The engineer decides the labels, value-ranges, etc.

The UserData Compass Point can have up to 60 pages.

Engineering

Step 1 – Mount the Compass Point

Refer to the 'Mounting' section within the '[Compass Point MRTC485 Installation Guide](#)' document for details on how to mount the Compass Point securely to a wall or within a cabinet.

Step 2 – Apply Power to the Compass Point

Refer to the 'Power' section within the '[Compass Point MRTC485 Installation Guide](#)' document. Once power is applied, the green LED should be lit continuously to show that the Compass Point is working correctly on the Compass Network.

Step 3 – Configure UserData Point

Use object-engineering software to view and modify the module objects within the Point.

Step 4 – Configure the Objects within the UserData Pages

Each Object within the UserData Pages is configured to interact with a point on the system. Use object-engineering software to view and modify the objects within pages of the UserData System.

Step 5 – Test the UserData Pages

Using object engineering software, scan the UserData Pages and check to see the correct values are being returned. If the ObHttp or the GSMSMS driver is being used to access the UserData pages, check that they can be used correctly.

Engineering Reference

Objects

When the Compass Point is powered-up the following objects are created on the Compass Network, use object software to access these objects.

| Object | Label | R/W | Type |
|------------|------------------------|-----|--|
| $Dn^{[1]}$ | UserData Device | - | UserData ^[3] |
| $Pp^{[2]}$ | UserData Compass Point | - | [Compass v22\UserData v10] |

Notes

- [1] The Device Number, n , is a number in the range 0...63.
- [2] If the Compass Point has its device number configured the Point address, p , is a number in the range 1...63. If no device number is set the Point address, p , is the Compass Point serial number in the range 1000000...9999999
- [3] This object has a variable content and as such requires scanning.