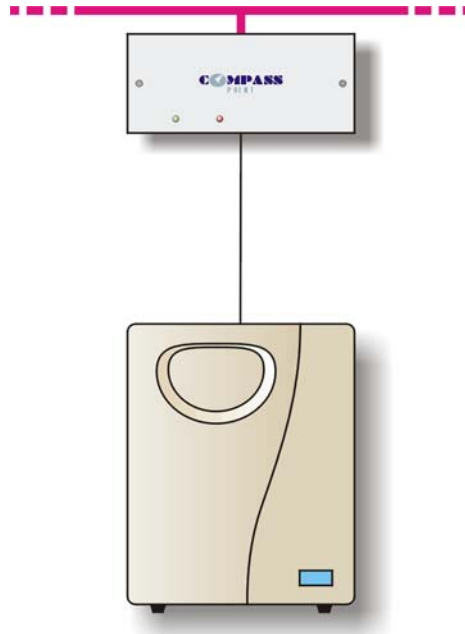


Product Engineering Guide

Compass v22 CoverPartner v10 RS232

Introduction

The CoverPartner Compass Point links a Cover Partner UPS (Uninterruptible Power Supply) to the Compass Network. A user can monitor various types of information from a Cover Partner UPS, such as nominal rating values, battery status (condition, charge, voltage, current), input status (no of phases, frequency, current, power, voltage), output status (no of phases, current, power, voltage, load), and fault status.



Supported Range

- Cover Partner UPS N1-3k series
- Cover Partner UPS L series

Notes

There are several different UPS models, and not all commands may work with all models.

The Cover Partner UPS does not report alarms to the Compass Network. If alarms are needed then an AlarmGen device will be required.

The Cover Partner UPS does not provide logging facilities to Compass. If logging of values is needed then a LogMax device will be required.

Engineering

Step 1 – Mount the Compass Point

Refer to the 'Mounting' section within the '[Compass Point RS232 Installation Guide](#)' document for details on how to mount the Compass Point securely to a wall or within a cabinet.

Step 2 – Configure Cover Partner UPS

The Cover Partner UPS must have the default baud rate of 9600. Please refer to manufacturer for this.

Step 3 – Connect Compass Point to Cover Partner UPS

Using cable, connect the port marked 'RS-232' of the Cover Partner UPS to the RS232 port of the Compass Point. Refer to the section 'Cable' below for details of the cable.

Step 4 – Apply Power to the Compass Point

Refer to the 'Power' section within the '[Compass Point RS232 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 5 – Configure the CoverPartner driver within Compass Point

The device label, device number and alarm polling facilities are configured using objects. Use object engineering software to view and modify the objects within the Compass Point.

Step 6 – Access Objects within the Cover Partner UPS

Values from the Cover Partner UPS are made available as objects on the Compass Network. Any object software that is connected to the Compass Network can access these objects.

The red LED near the RS232 port of the Compass pulses when a valid message is transmitted or received by the Compass Point.

Step 7 – Configure the Transfers within the Compass Point

Compass Point transfers are also configured using objects. Refer to the '[Introduction to Compass Transfers](#)' document for more details.

Step 8 – Configure the Alarm Handling within the Compass Point

Compass Point alarm handling is also configured using objects. Refer to the '[Introduction to Compass Alarms](#)' document for more details.

Engineering Reference

Cable Specification

The cable between the Compass Point and the port marked 'RS-232' on the UPS is as follows:

Compass end 25-male D-type		Cover Partner end 9-male D-type
2	_____	2
3	_____	3
7	_____	5
Maximum Cable Lengths = 15m		

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
$Dn^{[1]}$	Cover Partner Device	-	[CoverPartner v10]
$Pp^{[2]}$	CoverPartner Compass Point	-	[Compass v22\CoverPartner 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