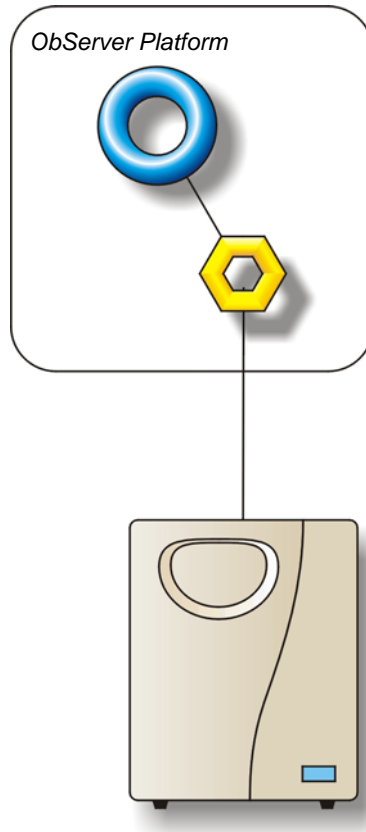


Product Engineering Guide

OSM v20 CoverPartner v10

Introduction

The CoverPartner OSM links a Cover Partner UPS (Uninterruptible Power Supply) to ObServer. 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 ObServer. If alarms are needed then an AlarmGen device will be required.

The Cover Partner UPS does not provide logging facilities to ObServer. If logging of values is needed then a Data Manager will be required.

Engineering

Step 1 – Install OSM

The CoverPartner OSM is installed automatically with all ObSys editions. Refer to the 'ObSys CD sleeve' for details on how to install ObSys.

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 COM Port to Cover Partner UPS

Using cable, connect the port marked 'RS-232' of the Cover Partner UPS to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 4 – Plug in CoverPartner OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the CoverPartner OSM to an available channel. Refer to '[ObServer v20 Application Engineering Guide](#)'.

Note: After inserting the OSM, your engineering software may need to re-scan the ObServer object in order to view the OSM.

Step 5 – Configure CoverPartner OSM

The COM port, device label, alarm polling facilities, and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

Step 6 – Access Objects within the Cover Partner UPS

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

Engineering Reference

Cable Specification

The cable between COM port and the port marked 'RS-232' on the Cover Partner UPS is as follows:

COM Port	Cover Partner end
25-female D-type	9-male D-type
2	3
3	2
7	5

Maximum Cable Lengths = 15m

COM Port	Cover Partner end
9-female D-type	9-male D-type
2	2
3	3
5	5

Maximum Cable Lengths = 15m

Objects

When the OSM is loaded the following objects are created within ObServer, use object software to access these objects.

Object ^[1]	Label	R/W	Type
Sc	Cover Partner UPS connected to channel c	-	[CoverPartner v10]
Mc	CoverPartner Module connected to channel c	-	[OSM v20\CoverPartner v10]

Notes

[1] The ObServer channel number, c, is a number in the range 1...40.