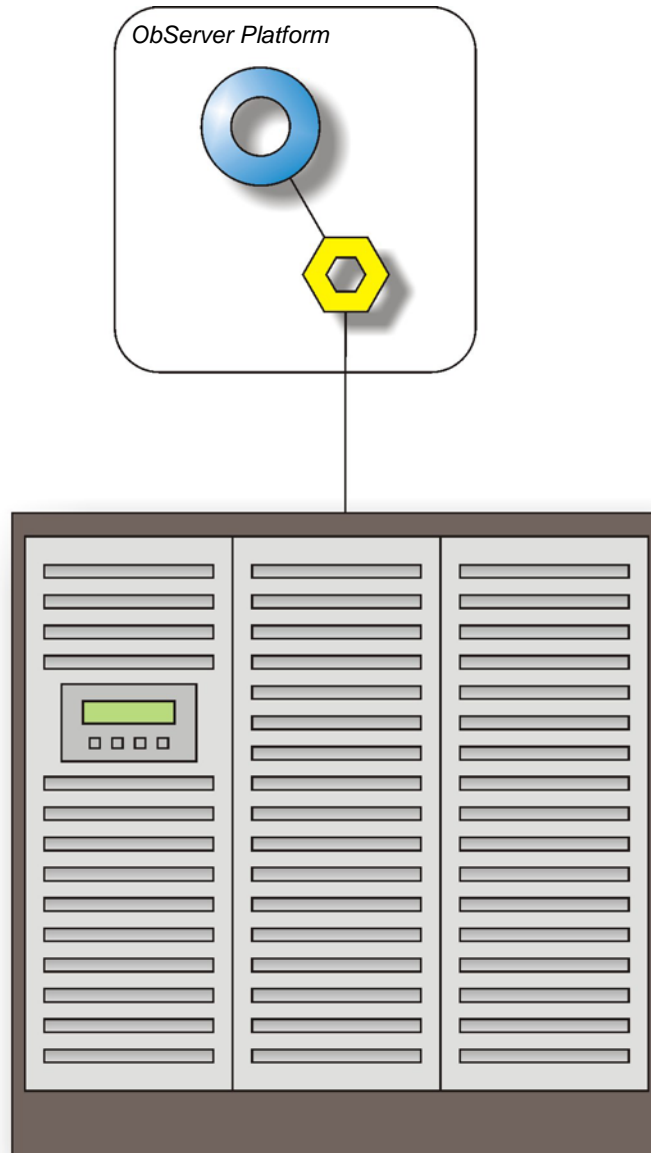


Product Engineering Guide

OSM v20 ExidePR v10

Introduction

The ExidePR OSM links Exide Electronics/International Power Machines (IPM) products supporting the P-Record protocol to ObServer. Compatible power conditioning products include UPS systems such as the Balanced Power Plus.



Engineering

Step 1 – Install OSM

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

Step 2 – Configure Exide Electronics/ International Power Machines UPS

The UPS has two optional serial ports which can be configured. The serial port connected to the COM port on the PC should be configured for the P-Record format.

Step 3 – Connect COM Port to the Exide Electronics/ International Power Machines UPS

Using cable, connect the Exide Electronics/ International Power Machines UPS to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 4 – Plug in ExidePR OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the ExidePR 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 ExidePR OSM

The COM port, baudrate, device label and buffer life are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

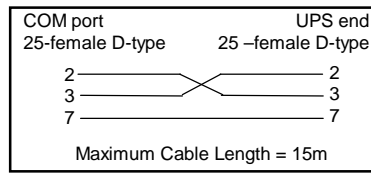
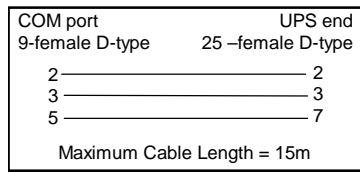
Step 6 – Access Objects within the Exide Electronics/ International Power Machines UPS

Values from the Exide Electronics/ International Power Machines 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 UPS port labelled 'To DCE' is as follows:



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	ExidePR System connected to channel <i>c</i>	-	[ExidePR v10]
Mc	ExidePR Module connected to channel <i>c</i>	-	[OSM v20\ExidePR v10]

Notes

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