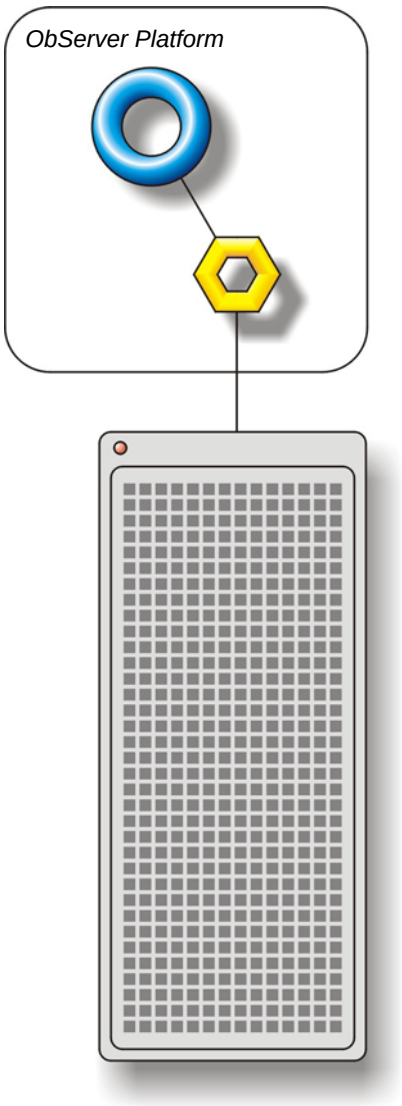
Product Engineering Guide

OSM v20 Advance v10

Introduction

The Advance OSM links an Advance Power Systems PC1200 DC Rectifier Control System to ObServer. A PC1200 has 4 rectifier shelves, each of which can house up to 3 TRF5600K rectifiers.
A DM2000 Power Management System is required to be within the PC1200 for the OSM to access the controller. The DM2000 collects the input signals from each rectifier shelf.



Supported Range

- Advance Power Systems PC1200 DC Rectifier Control System - Rectifier and system parameters can be monitored from a single controller (4 shelves of up to 3 rectifiers).

Notes

The Advance system does not report alarms to ObServer. If alarms are needed then an AlarmGen device will be required.
The Advance system does not provide logging facilities to ObServer. If logging of values is needed then a LogMax device will be required.

Engineering

Step 1 – Install OSM

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

Step 2 – Connect COM Port to Advance System

Using cable, connect the Advance system to a COM port of the PC. Refer to the section ‘Cable’ below for details of the cable.

Step 3 – Plug in Advance OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the Advance 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 4 – Configure Advance OSM

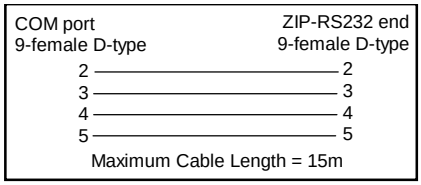
The COM port and device label are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

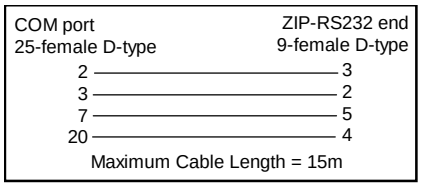
Step 5 – Access Objects within the Advance system

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

Cable Specification

The cable between the COM port and the 9-way female D-type connector on the Advance PC1200 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***
S*c*	Advance System connected to channel *c*	-	*[Advance v10]*
M*c*	Advance Module connected to channel *c*	-	*[OSM v20\ Advance v10]*

Notes

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

[2] This object has a variable content and as such requires scanning.