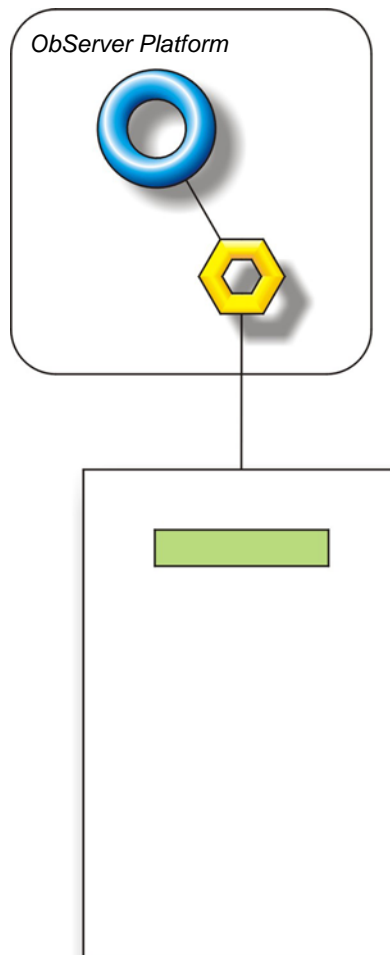


Product Engineering Guide

OSM v20 Megatec v10

Introduction

The Megatec OSM links a Mega Systems Technologies UPS (called Megatec System in this document) to ObServer. The OSM can obtain a list of read only values from within the Megatec system, such as charge and battery statuses.



Supported Range

- Megatec supply OEM equipment to be branded by others. This device was tested with a Meissner MP110 device.

Notes

No control over the Megatec system is possible as the OSM.

Engineering

Step 1 – Install OSM

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

Step 2 – Plug in Megatec OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the Megatec 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 3 – Configure Megatec Module

The Device label and Alarm Object require engineering in the Module. Use object engineering software to view and modify the module objects within the OSM.

Note: After engineering the Module, your engineering software may need to re-scan the Megatec System in order to view the Megatec System.

Step 4 – Access Objects within the Megatec System

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

Engineering Reference

Cable Specification

The cable between COM port and the Megatec system system's 9-way D-type connector is as follows:

COM Port	Megatec end
25-female D-type	9-way D-type
3	9
2	6
7	7
20	1

Maximum Cable Lengths = 15m

COM port	Megatec end
9-male D-type	9-way D-type
2	9
3	6
5	7
4	1

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	Megatec System connected to channel <i>c</i>	-	[Megatec v10] ^[2]
Mc	Megatec Module connected to channel <i>c</i>	-	[OSM v20\Megatec 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.