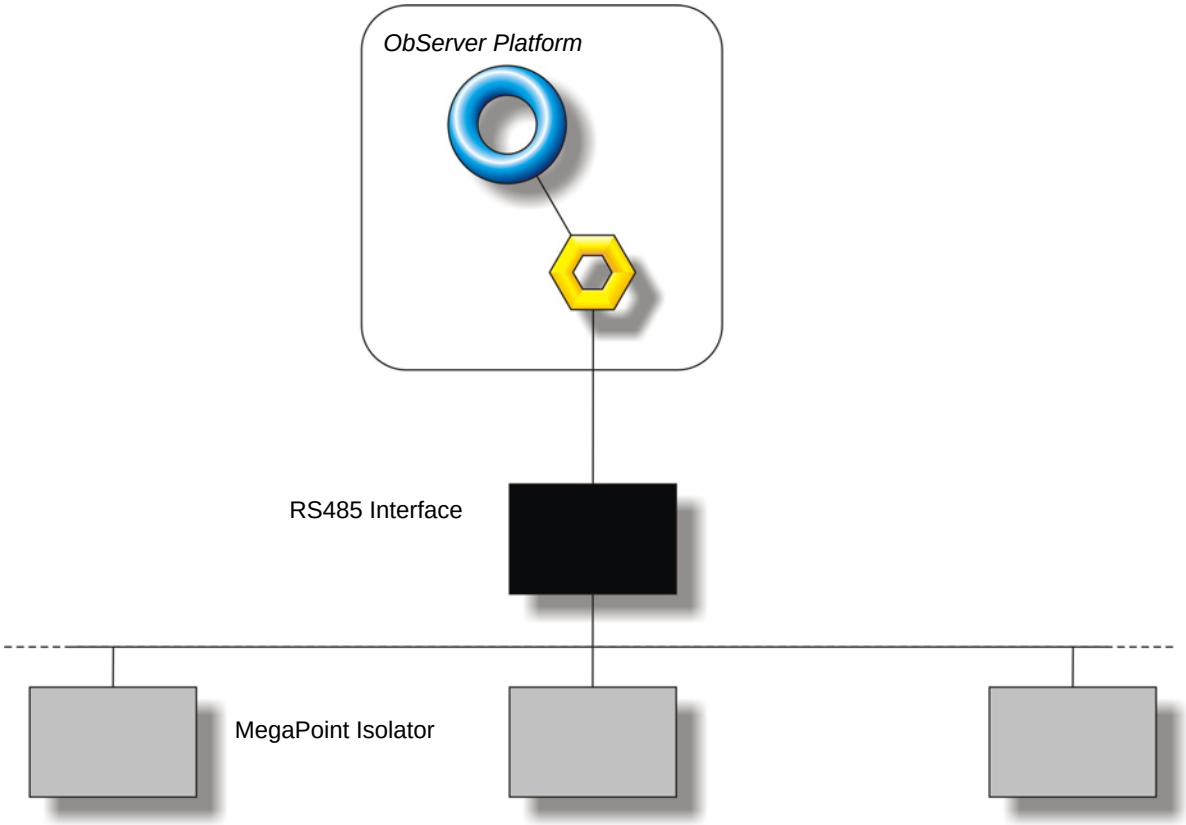
Product Engineering Guide

OSM v20 MegaPoint v10

Introduction

The MegaPoint OSM links an Agritron MegaPoint sensor monitoring system to ObServer. The system consists of an Isolator 2 unit which interfaces to up to 64 sensor cards, each of which has 8 sensor channels and a cold junction reference.



Supported Range

- Agritron MegaPoint – 8 channel microvoltmeter unit
- Agritron MegaPoint – 8 channel PT100 unit
- Agritron MegaPoint – 8 channel load cell interface

Notes

The MegaPoint system does not report alarms to ObServer. If alarms are needed then an AlarmGen device will be required.
The MegaPoint system 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 MegaPoint OSM is installed automatically with all ObSys editions. Refer to the ‘ObSys CD sleeve’ for details on how to install ObSys.

Step 2 – Configure MegaPoint System

Ensure that all sensor cards have a unique address.

Step 3 – Connect COM Port to MegaPoint System

Using cable, connect the MegaPoint system to a COM port of the PC, via an Isolator 2 unit. Refer to the section ‘Cable’ below for details of the cable.

Step 4 – Plug in MegaPoint OSM to ObServer

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

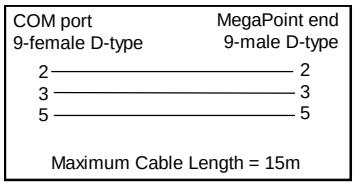
The COM port, device label, alarm polling facilities, and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

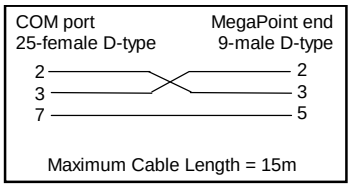
Step 6 – Access Objects within the MegaPoint system

Values from the MegaPoint 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 Isolator 2 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*	MegaPoint System connected to channel *c*	-	*[MegaPoint v10]* [2]
M*c*	MegaPoint Module connected to channel *c*	-	*[OSM v20\MegaPoint 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.