

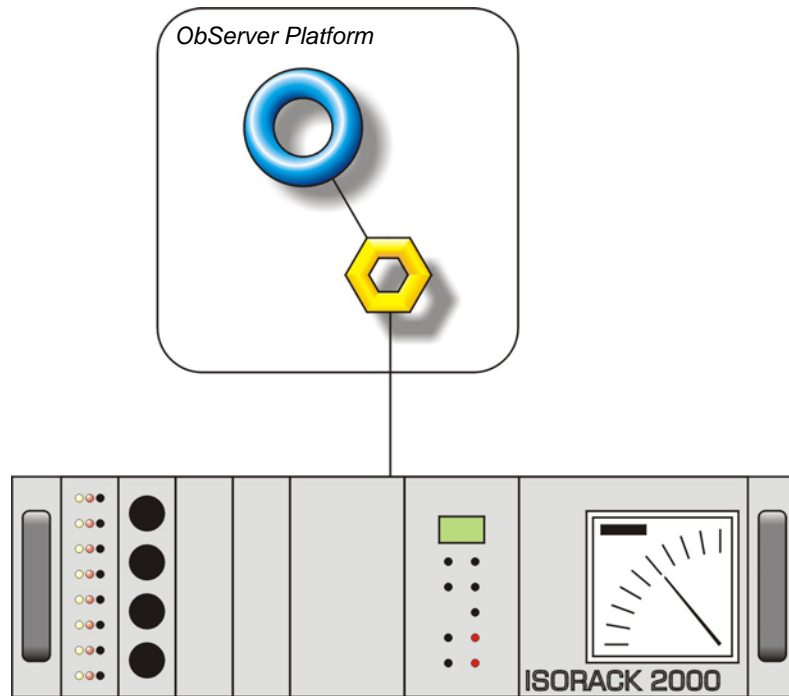
# Product Engineering Guide

## OSM v20 IsoRack v10

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### **Introduction**

The IsoRack v20 OSM links the Megacon AB ISORACK 2000 Earth Leakage Condition Monitoring System to Observer.



The IsoRack can accommodate up to 8 input modules, type MSI 2100 or MSI 2101. Each module has 8 channels; therefore a maximum of 64 channels can be monitored.

Note that although Alarm states are displayed in ObSys, they can only be cleared by pressing the reset button on the IsoRack panel.

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## **Engineering**

### **Step 1 – Install OSM**

The IsoRack v20 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 ISORACK 2000 System**

Using cable, connect the ISORACK 2000 to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

### **Step 3 – Plug in IsoRack OSM to ObServer**

Use object engineering software to locate the ObServer Setup object. Assign the IsoRack v20 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 IsoRack OSM**

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

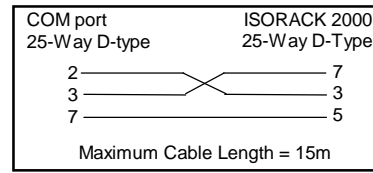
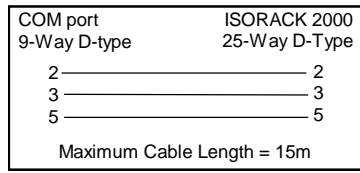
### **Step 5 – Access Objects within the ISORACK 2000 System**

Values from the ISORACK 2000 system 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 ISORACK 2000 is as follows:



## Objects

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

Object <sup>[1]</sup>	Label	R/W	Type
Sc	IsoRack 2000 System connected to channel c	-	<a href="#">[/IsoRack v10]</a> <sup>[2]</sup>
Mc	IsoRack Module connected to channel c	-	<a href="#">[/OSM v20/IsoRack v10]</a>

## 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.