

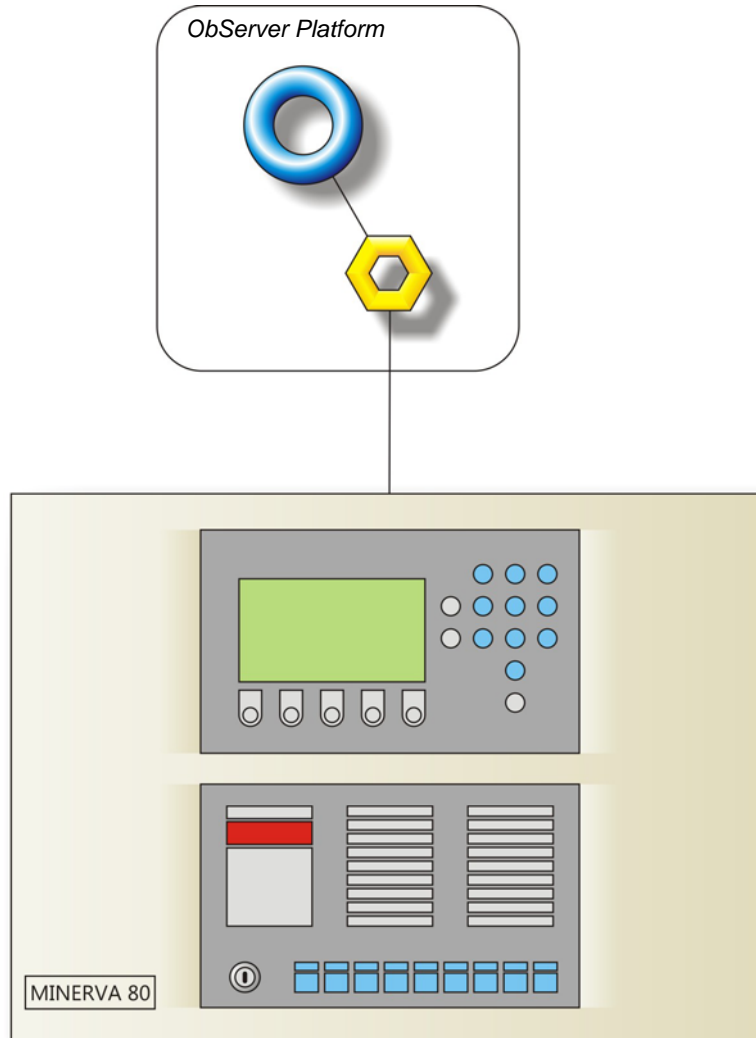
# Product Engineering Guide

## OSM v20 Minerva80 v10

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### Introduction

The Minerva80 OSM links a Minerva 16/16E/80 fire alarm panel to ObServer. The panel does not support an intelligent communications protocol but can send alarm events via its printer port. This interface supports routing of alarm events and limited event storage.



### Supported Range

- Tyco International Minerva 16/16E and 80 fire alarm panel.
- ADT Security Minerva 16/16E/80 fire alarm panel.
- Thorn Security Minerva 16/16E and 80 fire alarm panel.
- Wormald Minerva 16/16E and 80 fire alarm panel.

### Notes

The Minerva80 OSM is unable to interrogate the status of the system when connecting, so reset the fire panel to re-send alarms for the current state.

The Minerva panel does not provide logging facilities to ObServer. If logging of values is needed then a Data Manager will be required.

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## **Engineering**

### **Step 1 – Install OSM**

The Minerva80 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 Minerva Panel**

Using cable, connect the Minerva panel serial port to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

### **Step 3 – Plug in Minerva80 OSM to ObServer**

Use object engineering software to locate the ObServer Setup object. Assign the Minerva80 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 Minerva80 OSM**

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

### **Step 5 – Access Objects within the Minerva Panel**

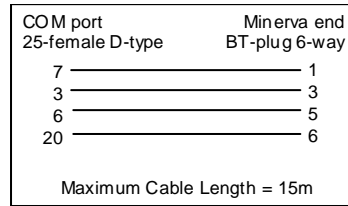
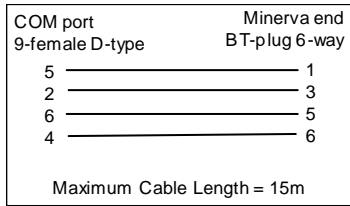
Values from the Minerva fire panel(s) are made available as objects from ObServer. Any object software that is connected to the ObServer can access these objects.

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## Engineering Reference

### Cable Specification

The cable between COM port and the Minerva BT-style phone socket marked 'Serial Port' is as follows (Note: On the Minerva panel pin 6 is adjacent to the locking tab):



### 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	Minerva Panel connected to channel c	-	<a href="#">[Minerva80 v10]</a>
Mc	Minerva Module connected to channel c	-	<a href="#">[OSM v20\Minerva80 v10]</a>

### Notes

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

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## Notes

### *Revision History*

<i>Version</i>	<i>Build Date</i>	<i>Details</i>
1.0	14/10/09	Release