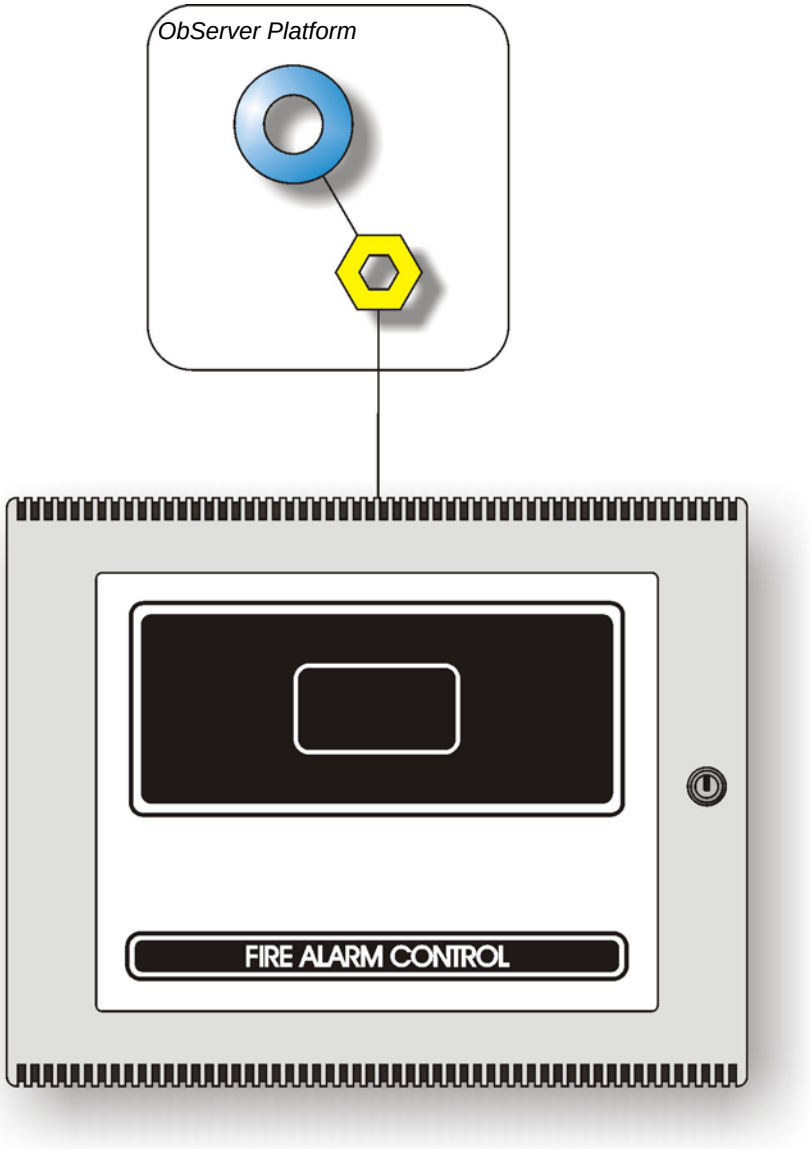
Product Engineering Guide

OSM v20 Simplex v11

Introduction

The Simplex OSM links Simplex Time Recorder Company, Series 4100 Fire Panels to the Observer.



Engineering

Step 1 – Install OSM

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

Step 2 – Configure the Simplex Panel

The RS232 port on the Simplex Panel connected to the Compass Point should be configured with device type 'COMPUTER' .

Step 3 – Connect COM Port to Simplex Panel

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

Step 4 – Plug in Simplex OSM to ObServer

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

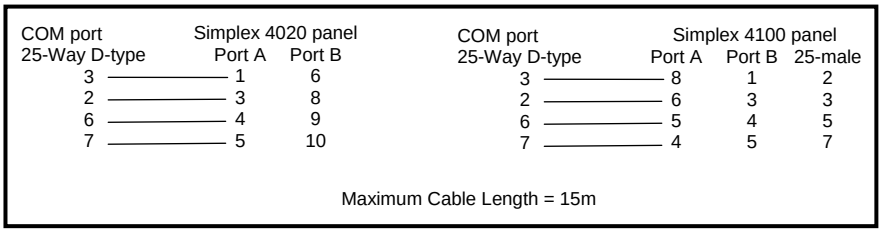
The COM port, baudrate, byte format and card type, device number, device label and alarm polling facilities are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

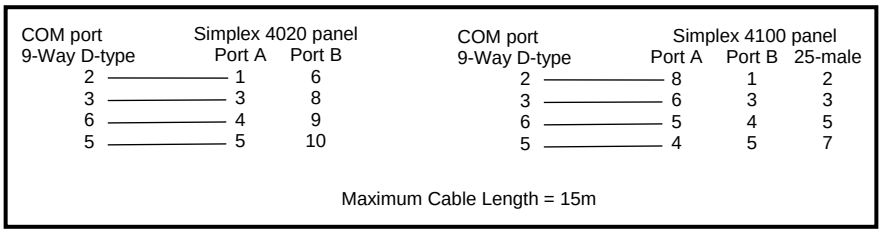
Step 6 – Access Objects within the Simplex Panel

Values from the Simplex Panel 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 COM port and the Simplex Panel 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*	Simplex System connected to channel *c*	-	*[Simplex v11]* [2]
M*c*	Simplex Module connected to channel *c*	-	*[OSM v20\ Simplex v11]*

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.