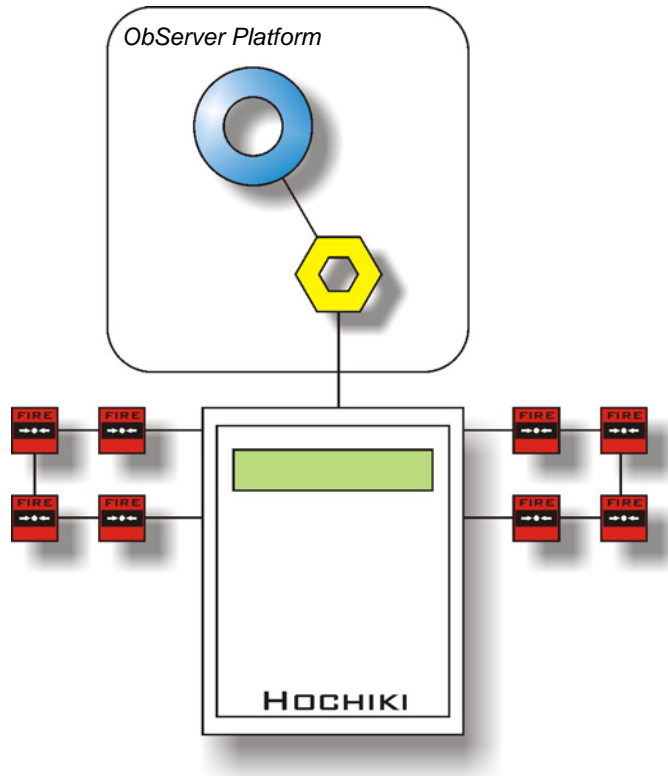# Product Engineering Guide

OSM v20 Hochiki v10

Introduction

The Hochiki OSM links any Fire Control Panel supporting the Hochiki ESP protocol to ObServer.

Engineering

Step 1 – Install OSM

The Hochiki 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 Fire Control Panel

Using cable, connect the Fire Control Panel to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 3 – Plug in Hochiki OSM to ObServer

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

The COM port, device label and panel label are configured using objects. Use object engineering software to view and modify the module objects within the OSM.
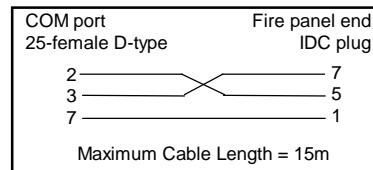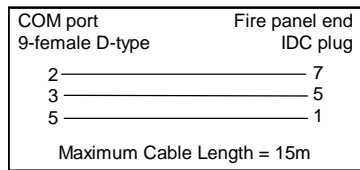
Step 5 – Access Objects within the Fire Control Panel

Values from the Fire Control Panel 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 Fire Control Panel's printer output connector is as follows:

```
COM port               Fire panel end
9-female D-type             IDC plug

2 ──────────────────────── 7
3 ──────────────────────── 5
5 ──────────────────────── 1

   Maximum Cable Length = 15m
```

```
COM port               Fire panel end
25-female D-type            IDC plug

2 ──────────────────────── 7
3 ───────────╳──────────── 5
7 ──────────────────────── 1

   Maximum Cable Length = 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
S*c*	Hochiki System connected to channel *c*	-	*[Hochiki v10]*
M*c*	HochikiModule connected to channel *c*	-	*[OSM v20\ Hochiki v10]*

Notes

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