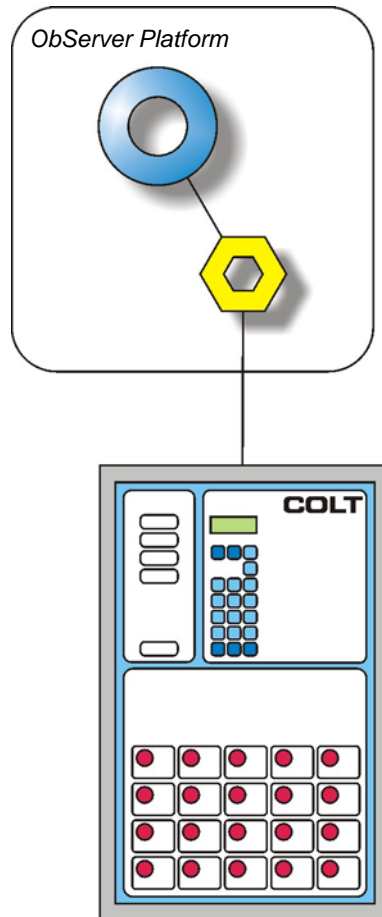


Product Engineering Guide

OSM v20 ColtOPV v10

Introduction

The ColtOPV OSM links the Colt International OPV Panel, used for the control of natural smoke ventilators to the ObServer. The ColtOPV OSM supports both the Colt BMS and Mimic/IBMS protocols.



Engineering

Step 1 – Install OSM

The ColtOPV 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 Colt International OPV Panel

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

Step 3 – Plug in ColtOPV OSM to ObServer

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

The COM port and device number is configured using objects. Use object engineering software to view and modify the module objects within the OSM.

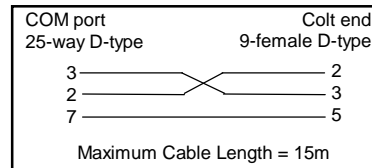
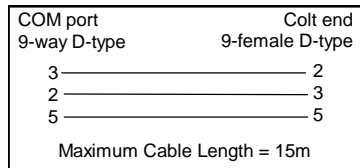
Step 5 – Access Objects within the Colt International OPV Panel

Values from the Colt International OPV Panel 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 the COM port and the Colt International OPV Panel is though a 9-way D-type connector labelled 'MODEM' and 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
Sc	ColtOPV System connected to channel c	-	[ColtOPV v10]
Mc	ColtOPV Module connected to channel c	-	[OSM v20\ColtOPV v10]

Notes

[1] The ObServer channel number, c, is a number in the range 1...64.