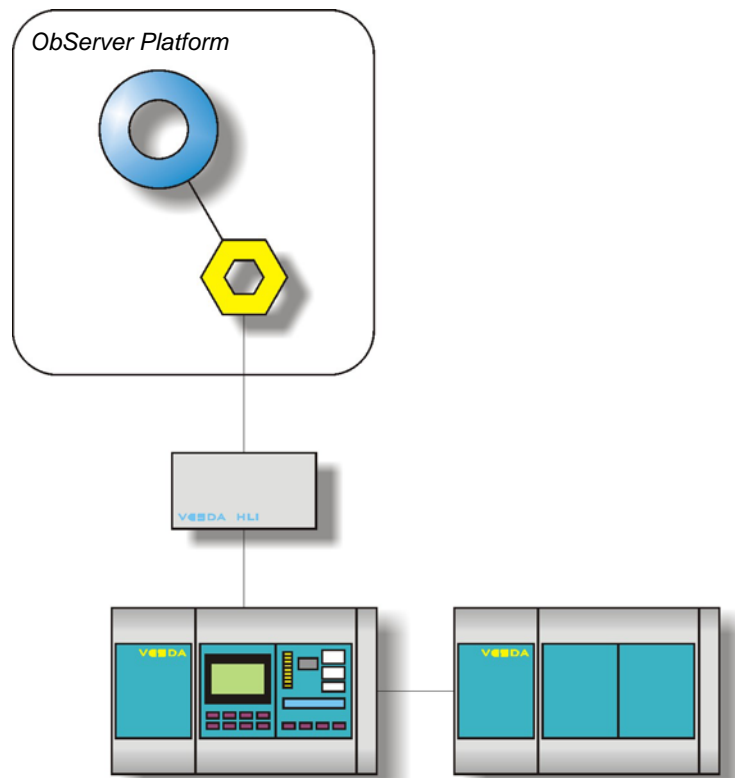


Product Engineering Guide

OSM v20 Vesda v11

Introduction

The Vesda OSM links a Vision Systems' VESDA LaserPLUS early smoke detection system via a VESDA PC Link High Level Interface (HLI) (model number VHX-0300) to ObServer. Zone and Detector statuses can be accessed as well as panel display values.



Engineering

Step 1 – Install OSM

The Vesda 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 Vesda System

Using cable, connect connect the 9-way female D-type connector on the Vesda HLI to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 3 – Plug in Vesda OSM to ObServer

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

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

Step 5 – Access Objects within the Vesda System

Values from the Vesda 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 the COM Port and the 9-way female D-type connector on the Vesda HLI is as follows:

COM port 25-female D-type	HLI end 9-male D-type	COM port 9-female D-type	HLI end 9-male D-type
2	3	2	2
3	2	3	3
7	5	5	5
Maximum Cable Lengths = 15m		Maximum Cable Lengths = 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
Sc	Vesda System connected to channel c	-	[Vesda v11]
Mc	Vesda Module connected to channel c	-	[OSM v20\Vesda v11]

Notes

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