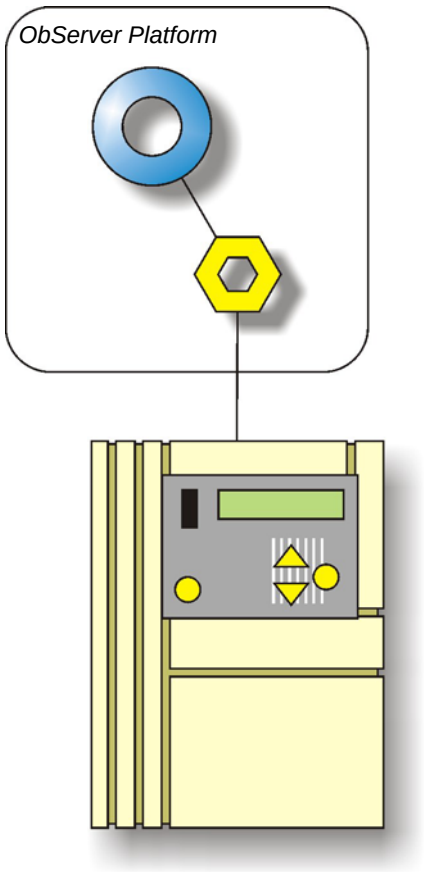
Product Engineering Guide

OSM v20 Denco v11

Introduction

The Denco v11 OSM links the Denco Limited's Monitrol system to ObServer. The system includes Series 3, Beta 2 and Super 4 AHU's which are connected to their own Serial Data Card (SDC). The Denco v11 OSM then communicates directly with the SDC.



Engineering

Step 1 – Install OSM

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

Step 2 – Configure Denco Limited's Monitrol System

The SDC should be configured with Comms as *Comms Ext Proc*, CIU as *Not Fitted* and Baud Rate as *4800*.

Step 3 – Connect COM Port to Denco Limited's Monitrol System

Using cable, connect the Denco Limited's Monitrol to a COM port of the PC. Refer to the section ‘Cable’ below for details of the cable.

Step 4 – Plug in Denco OSM to ObServer

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

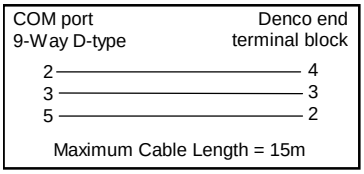
The COM port, baudrate, buffer life, alarm polling facilities, and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

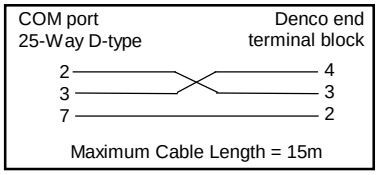
Step 6 – Access Objects within the Denco Limited's Monitrol System

Values from the Denco Limited's Monitrol system 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 4-way terminal block on the Denco RS232 interface (Card No: ZE9228) 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*	Denco System connected to channel *c*	-	*[Denco v11]* [2]
M*c*	Denco Module connected to channel *c*	-	*[OSM v20\Denco 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.