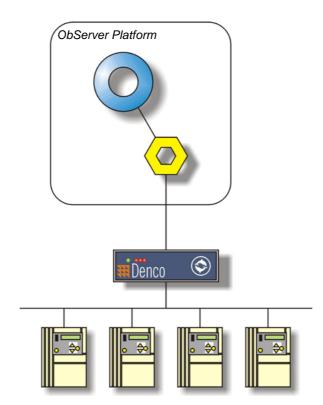
Product Engineering Guide

OSM v20 DencoCIU v10

Introduction

The DencoCIU OSM links Denco Limited's Monitrol system to Observer. Up to 16 AHUs may be connected via a CIU. Supported AHUs include the Series 3, Beta 2 and Super 4.



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Engineering

Step 1 – Install OSM

The DencoCIU 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 Denco CIU

Using cable, connect the Denco CIU to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 3 – Plug in DencoClU OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the DencoCIU OSM to an available channel. Refer to <u>'ObServer v20 Application Engineering Guide'.</u>

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 DencoCIU OSM

The COM port, baudrate, 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 5 – Access Objects within the Denco System

Values from the Denco 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 the Denco CIU 9-way D-type connector is as follows:

1	COM port 9-female D-type	CIU end 9-male D-type		
	2 3 5	2 3 5		
Maximum Cable Length = 15m				

COM port CIL 25-female D-type 9-male D					
2 3 7	2 3 5				
Maximum Cable Length = 15m					

Objects

When the OSM is loaded the following objects are created within ObServer, use object software to access these objects.

Sc DencoCIU System connected to channel c - [DencoCIU v10] ^[2] Mc DencoCIU Module connected to channel c - [OSM v20)DencoCIU v10]	Object ^[1]	Label	R/W	Туре
Mc DencoCIII Module connected to channel c $\sqrt{(0.5M \times 20)}$ DencoCIII $\times 10^{1}$	Sc	DencoCIU System connected to channel c	-	[DencoClU v10] ^[2]
	Mc	DencoCIU Module connected to channel c	-	[OSM v20\DencoCIU v10]

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.

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