

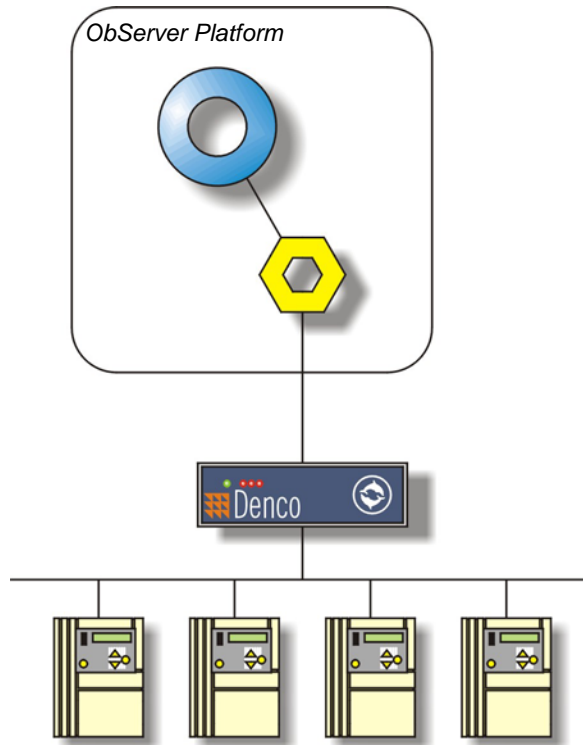
# Product Engineering Guide

## OSM v20 DencoCIU v10

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### 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 DencoCIU OSM to ObServer**

Use object engineering software to locate the ObServer Setup object. Assign the DencoCIU 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 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**

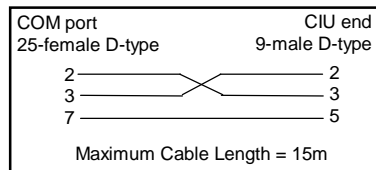
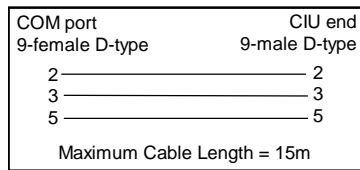
Values from the Denco system are made available as objects from ObServer. Any object software that is connected to the ObServer can access these objects.

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## Engineering Reference

### Cable Specification

The cable between COM port and the the Denco CIU 9-way D-type connector is as follows:



### Objects

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

Object <sup>[1]</sup>	Label	R/W	Type
Sc	DencoCIU System connected to channel <i>c</i>	-	[DencoCIU v10] <sup>[2]</sup>
Mc	DencoCIU Module connected to channel <i>c</i>	-	[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.