

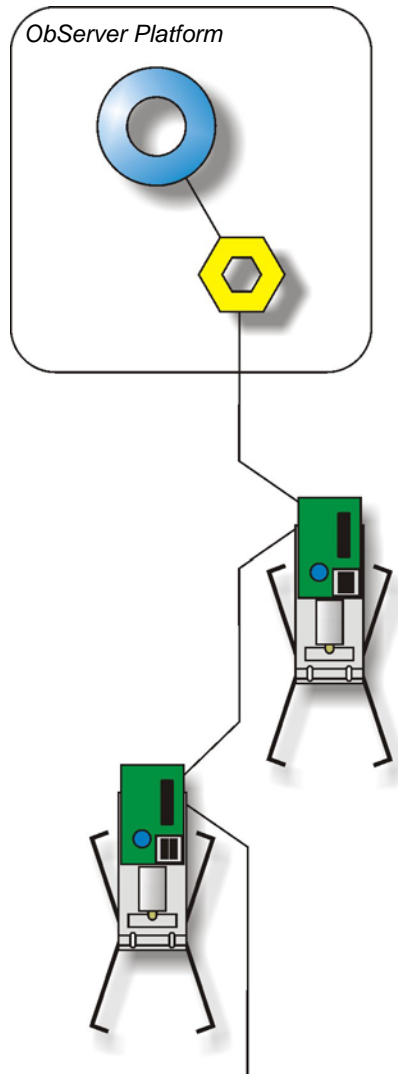
# Product Engineering Guide

## OSM v20 Titus v10

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### **Introduction**

The Titus OSM links Titus Zeon damper controller to ObServer. Up to 16 controllers can be networked together, and accessed using a single Titus OSM. The Titus OSM requires an RS 485 card to be fitted to the PC before a link between the Module and the Titus Zeon damper controller can be created.



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## **Engineering**

### **Step 1 – Install OSM**

The Titus 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 Titus System**

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

### **Step 3 – Plug in Titus OSM to ObServer**

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

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

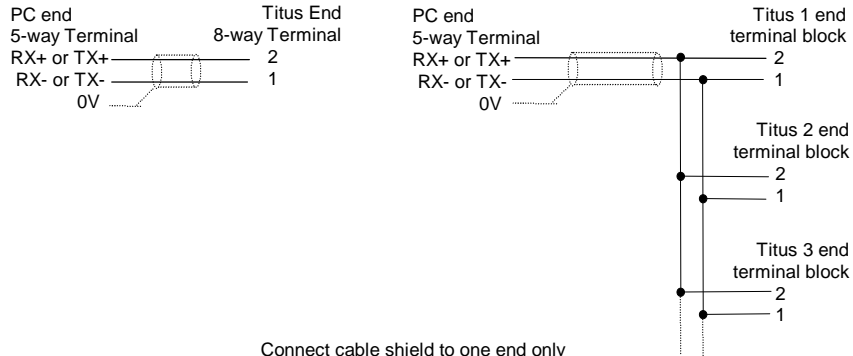
### **Step 5 – Access Objects within the Titus System**

Values from the Titus 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 Titus Zeon damper controller is as follows:



Connect cable shield to one end only  
Maximum Cable Lengths = 1000m

## 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	Titus System connected to channel c	-	[Titus v10]
Mc	Titus Module connected to channel c	-	[OSM v20\Titus v10]

## Notes

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