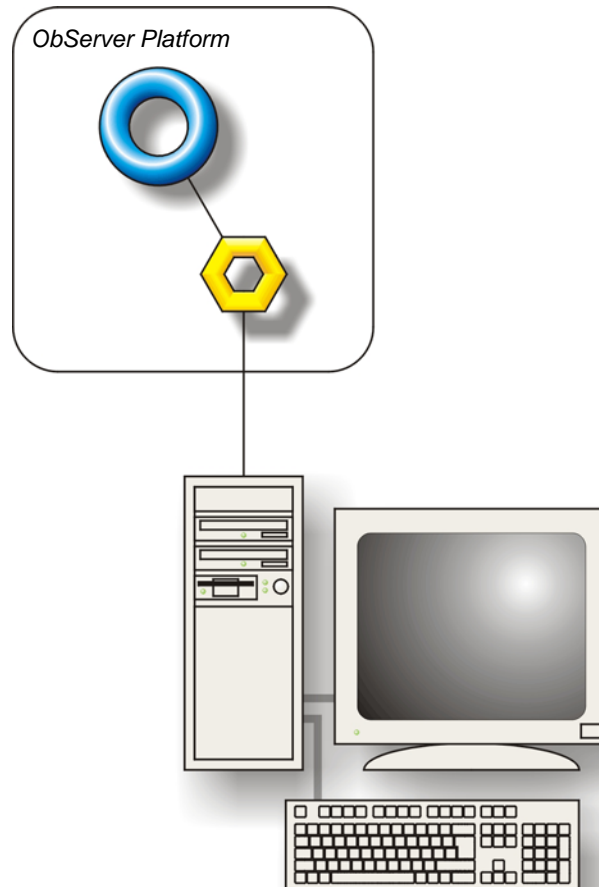


Product Engineering Guide

OSM v20 Luxmate v10

Introduction

The Luxmate OSM links the Luxmate Building Management Software system to ObServer. The Luxmate system is either a single or a series of field buses of various lighting, heating and natural ventilation associated components, such as lights, luminaries, blinds, windows.



Supported Range

- Luxmate – Building Management Software running on a PC.

Notes

The Luxmate system runs on a PC that the OSM needs to be connected to.

The Luxmate system does not report alarms to ObServer. If alarms are needed then an AlarmGen will be required.

The Luxmate system does not provide logging to ObServer. If logging is needed then a Data Manager will be required.

Engineering

Step 1 – Install OSM

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

Step 2 – Configure Luxmate System

The Luxmate system does not require configuring. If required, note the total motor drive time from closed to open.

Step 3 – Connect COM Port to Luxmate System

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

Step 4 – Plug in Luxmate OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the Luxmate OSM to an available channel. Refer to 'ObServer v10 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 Luxmate OSM

The COM port, device label, alarm polling facilities, motor drive time and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

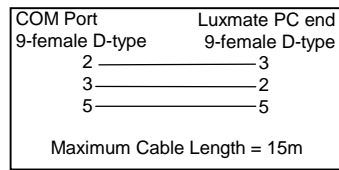
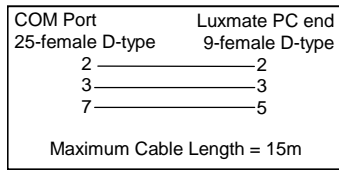
Step 6 – Access Objects within the Luxmate System

Values from the Luxmate 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 9-way D-type RS232 port on the PC 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
Sc	Luxmate System connected to channel c	-	[Luxmate v10]
Mc	Luxmate Module connected to channel c	-	[OSM v20\Luxmate v10]

Notes

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