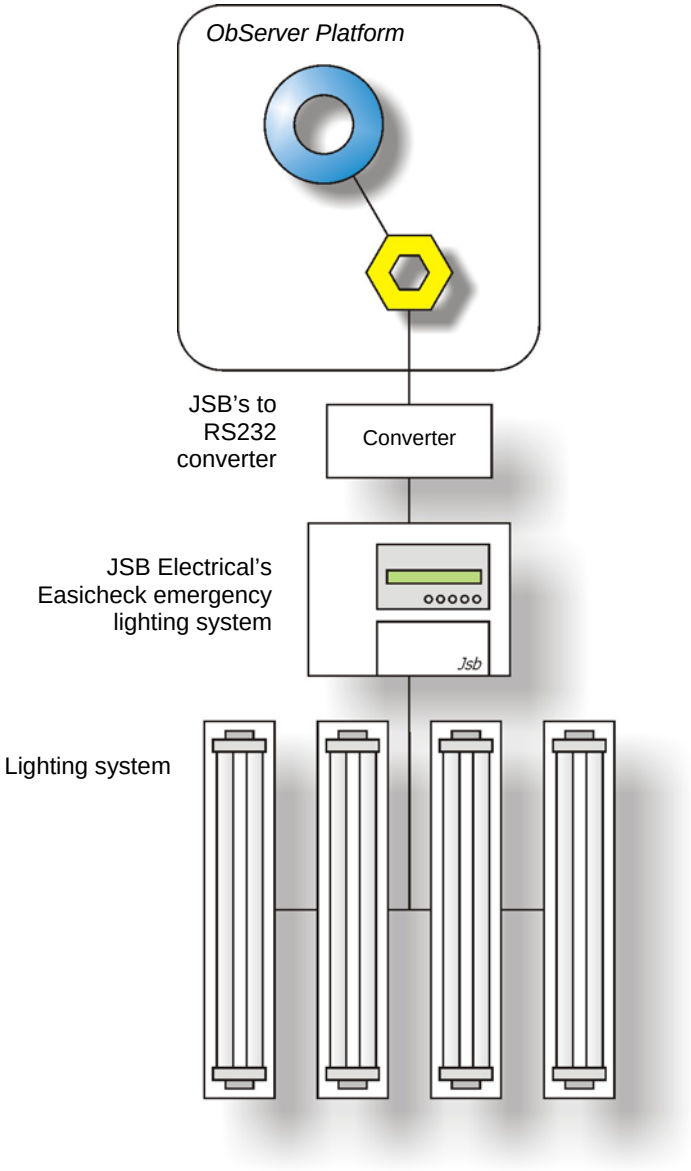
Product Engineering Guide

OSM v20 JSB v11

Introduction

The Jsb OSM links JSB Electrical's Easicheck emergency lighting system to ObServer, via JSB's to RS232 converter. Multiple panels can be addressed, each of which can have up to 255 emergency luminaries connected.



Supported Range

- JSB Electrical's Easicheck emergency lighting system (with a converter running software version v4b) - The status of each luminaire can be read as either a numerical fault value or as a digital value per fault-code. Each panel can be reset.
- Panel type supported – EC1001 and EC1002
- JSB Devices Supported
  - SCAEL Self-Contained emergency lighting unit
  - SVAEL Slave-type emergency lighting unit
  - MCO
  - XPI/XPS Battery System

Notes

The JSB system does report alarms to ObServer.
The JSB system does not provide logging facilities to ObServer. If logging of values is needed then a Data Manager will be required.

Engineering

Step 1 – Install OSM

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

Step 2 – Configure Jsb System

The JSB system does not need configuring.

Step 3 – Connect COM Port to Jsb System

Using cable, connect the RS232 converter to a COM port of the PC. Refer to the section ‘Cable’ below for details of the cable.

Step 4 – Plug in Jsb OSM to ObServer

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

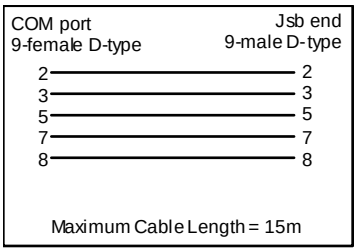
The COM port, baudrate, device label, alarm polling facilities, and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

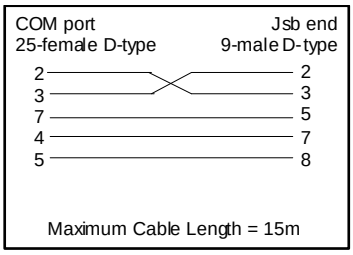
Step 6 – Access Objects within the Jsb System

Values from the Jsb 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 RS232 converter 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	Jsb System connected to channel *c*	-	*[JSB v11]*
Mc	Jsb Module connected to channel *c*	-	*[Osm v20\JSB v11]*

Notes

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

Notes

Revision History

Version	Build Date	Details
1.1	12/09/03	Mod to allow different luminaire alarm types