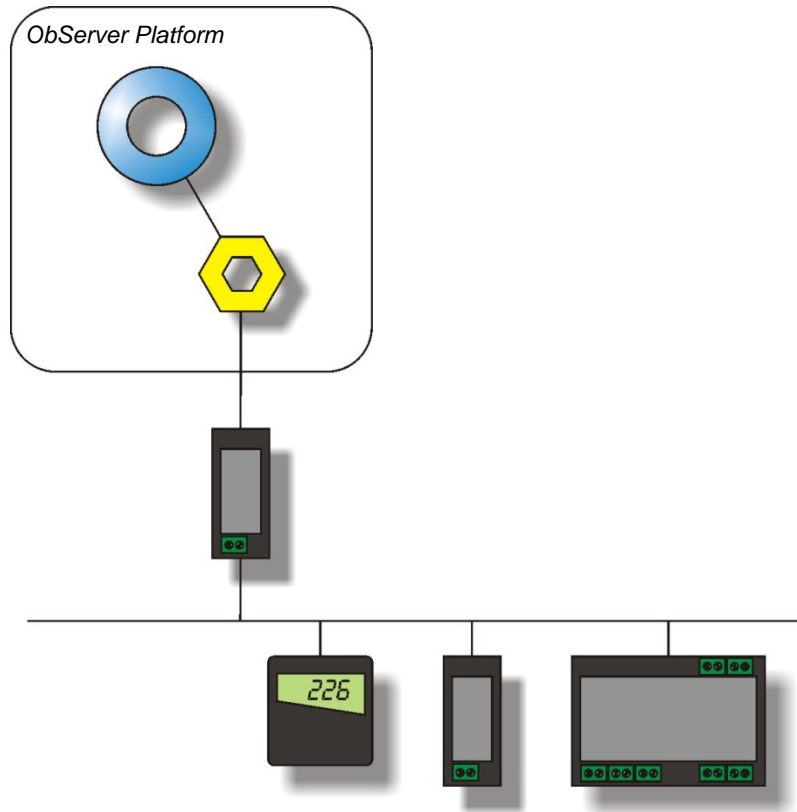


Product Engineering Guide

OSM v20 SeaChng v11

Introduction

The SeaChng OSM links the Sea Change range of controllers, via the SeaChange Serial Adapter to Observer.



Engineering

Step 1 – Install OSM

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

Step 2 – Configure the SeaChange System

Engineering of the SeaChange system needs to be completed before connecting to ObServer.

Step 3 – Connect COM Port to SeaChange Serial Adapter

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

Step 4 – Plug in SeaChng OSM to ObServer

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

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

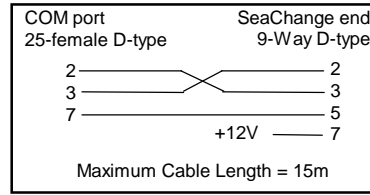
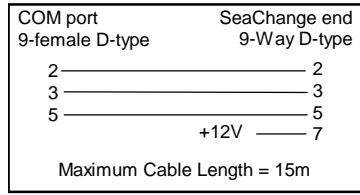
Step 6 – Access Objects within the SeaChange System

Values from the SeaChange 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 SeaChange Serial Adapter 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	SeaChng System connected to channel c	-	[SeaChng v11]
Mc	SeaChng Module connected to channel c	-	[OSM v20\SeaChng v11]

Notes

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