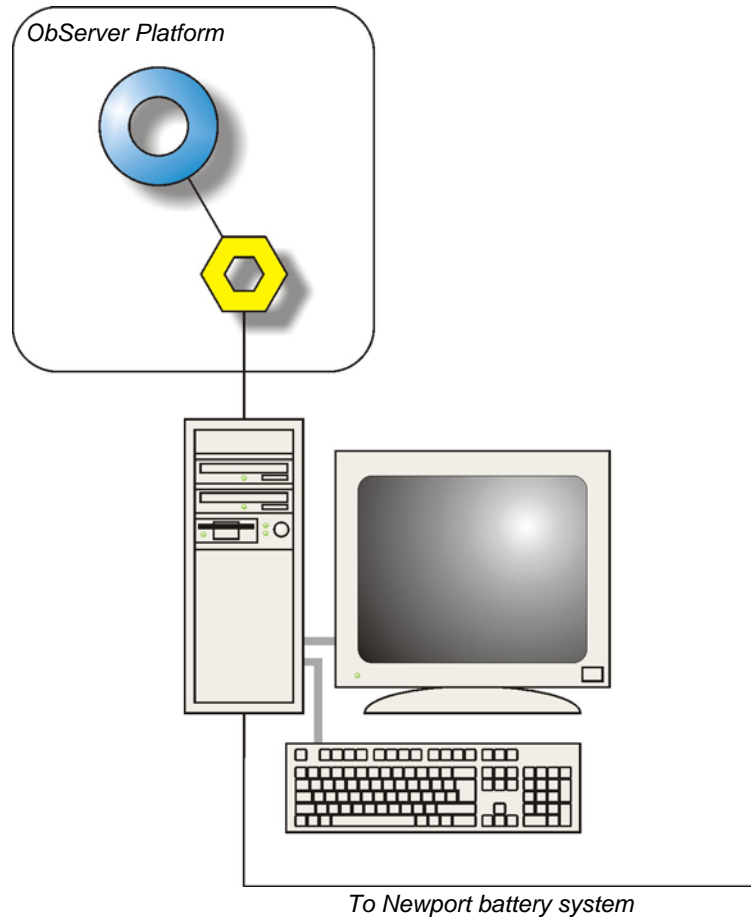# Product Engineering Guide

OSM v20 Newport v10

Introduction

The Newport OSM links the Newport Data Systems Cellwatch 2 software, a software package running on a standard IBM PC/AT-compatible computer, to ObServer.

ObServer Platform

To Newport battery system

Engineering

Step 1 – Install OSM

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

Step 2 – Configure Newport System

The Newport system does not need configuring.

Step 3 – Connect COM Port to Newport System

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

Step 4 – Plug in Newport OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the Newport 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 Newport 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.
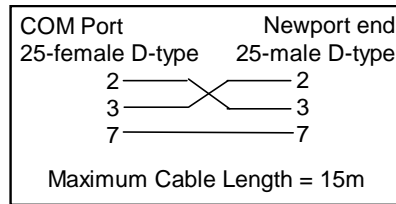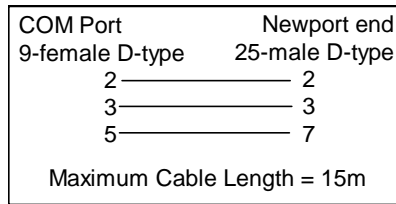
Step 6 – Access Objects within the Newport System

Values from the Hitachi 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 the COM port and the Newport system is as follows:

```
COM Port              Newport end
9-female D-type      25-male D-type
     2 ——————————————— 2
     3 ——————————————— 3
     5 ——————————————— 7

   Maximum Cable Length = 15m
```

```
COM Port              Newport end
25-female D-type     25-male D-type
     2 ——————⟩⟨——————— 2
     3 ——————⟩⟨——————— 3
     7 ——————————————— 7

   Maximum Cable Length = 15m
```

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
S*c*	Newport System connected to channel *c*	-	*[Newport v10]*
M*c*	Newport Module connected to channel *c*	-	*[OSM v20\Newport v10]*

Notes

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