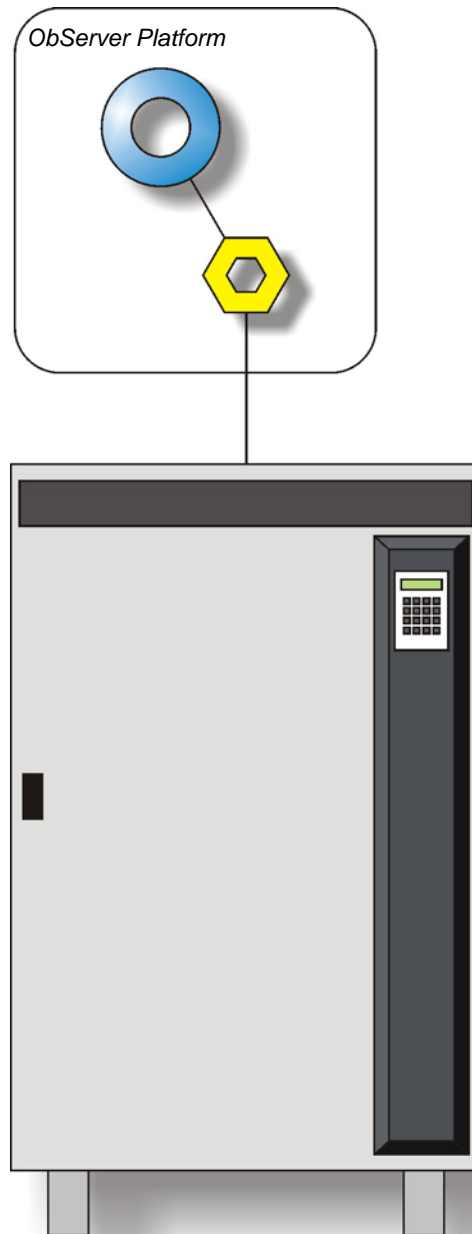# Product Engineering Guide

OSM v20 Silcon v10

Introduction

The Silcon OSM links Silcon UPS Systems using the Silcon Standard Protocol to ObServer. These include the DP100E series; the DP3000 / DP300BC / DP300C / PP1000/3000 series; the DP3000 / DP300E series; and the DP10E series.

ObServer Platform

Engineering

Step 1 – Install OSM

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

Step 2 – Configure Silcon System

The Silcon system does not require configuring.

Step 3 – Connect COM Port to Silcon System

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

Step 4 – Plug in Silcon OSM to ObServer

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

The COM port, unit type, device label, baudrate, alarm polling facilities, and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.
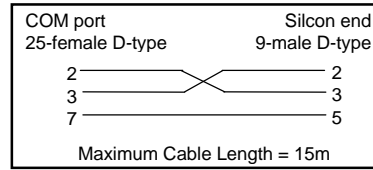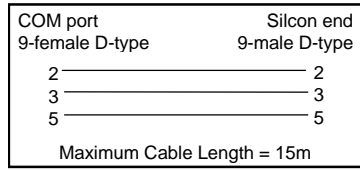
Step 6 – Access Objects within the Silcon System

Values from the Silcon 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 Silcon UPS is as follows:

COM port 9-female D-type	Silcon end 9-male D-type
2 ——————— 2	
3 ——————— 3	
5 ——————— 5	
Maximum Cable Length = 15m	

COM port 25-female D-type	Silcon end 9-male D-type
2 ——— ✕ ——— 2	
3 ——— ✕ ——— 3	
7 ——————— 5	
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*	Silcon System connected to channel *c*	-	Type Dependant Device [2]
M*c*	Silcon Module connected to channel *c*	-	*[OSM v20\Silcon v10]*

Notes

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

[2] Dependent on the device type, this object can be one of the following:

Type
[Silcon\Type10]
[Silcon\Type100]
[Silcon\Type3000]