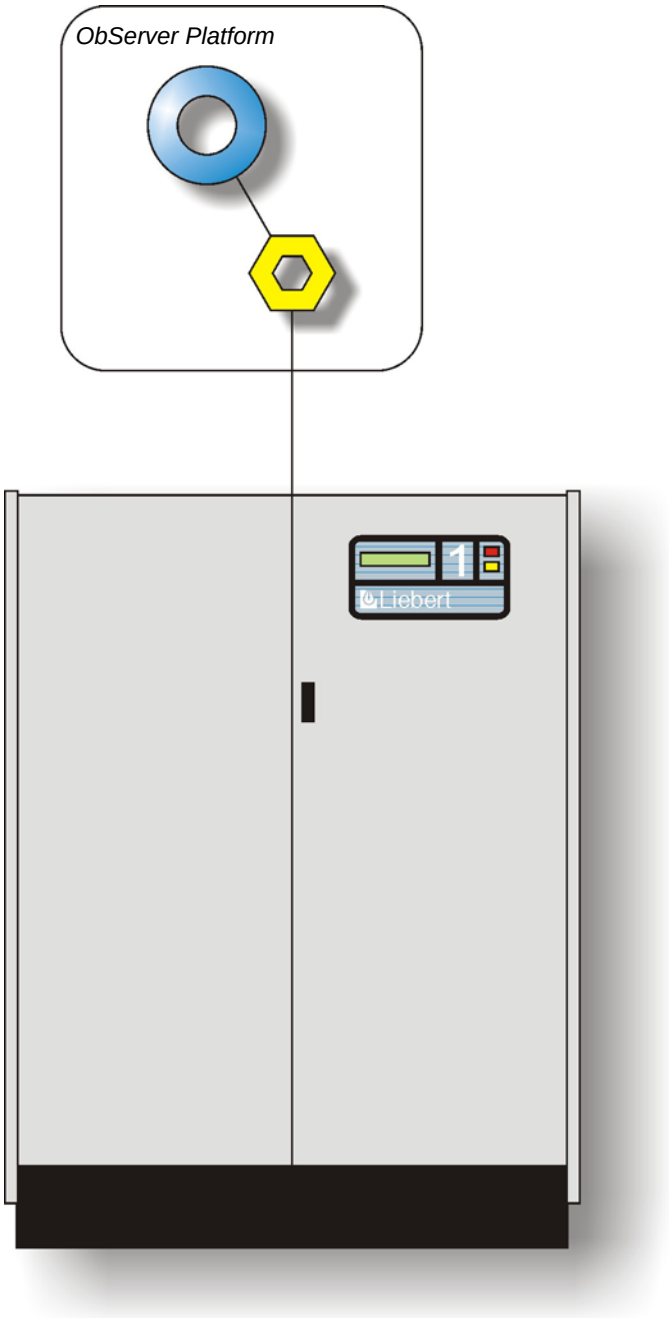
Product Engineering Guide

OSM v20 LbrtDtwv v10

Introduction

The Liebert OSM links a Liebert Datawave PDU to ObServer. The PDU's monitored parameters can be accessed including; input and output phase voltages, currents, power, THD readings, Crest and K Factors.



Engineering

Step 1 – Install OSM

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

Step 2 – Connect COM Port to Liebert System

Using cable, connect the Liebert Datawave terminal connector to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 3 – Plug in LbrtDtwv OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the LbrtDtwv 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 4 – Configure LbrtDtwv OSM

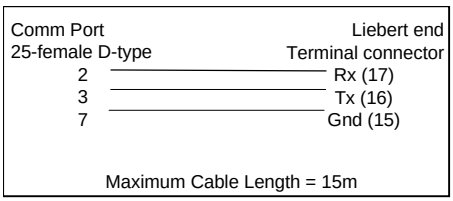
The COM port, alarm polling facilities, and alarm destination are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

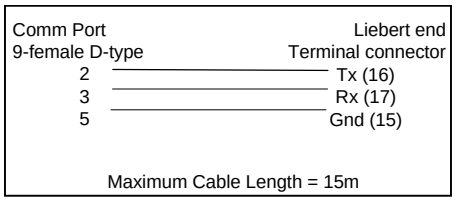
Step 5 – Access Objects within the Liebert System

Values from the Liebert 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 the Comm Port and the Liebert Datawave terminal connector 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***
S*c*	Liebert System connected to channel *c*	-	*[LbrtDtwv v10]*
M*c*	Liebert Module connected to channel *c*	-	*[OSM v20\LbrtDtwv v10]*

Notes

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