

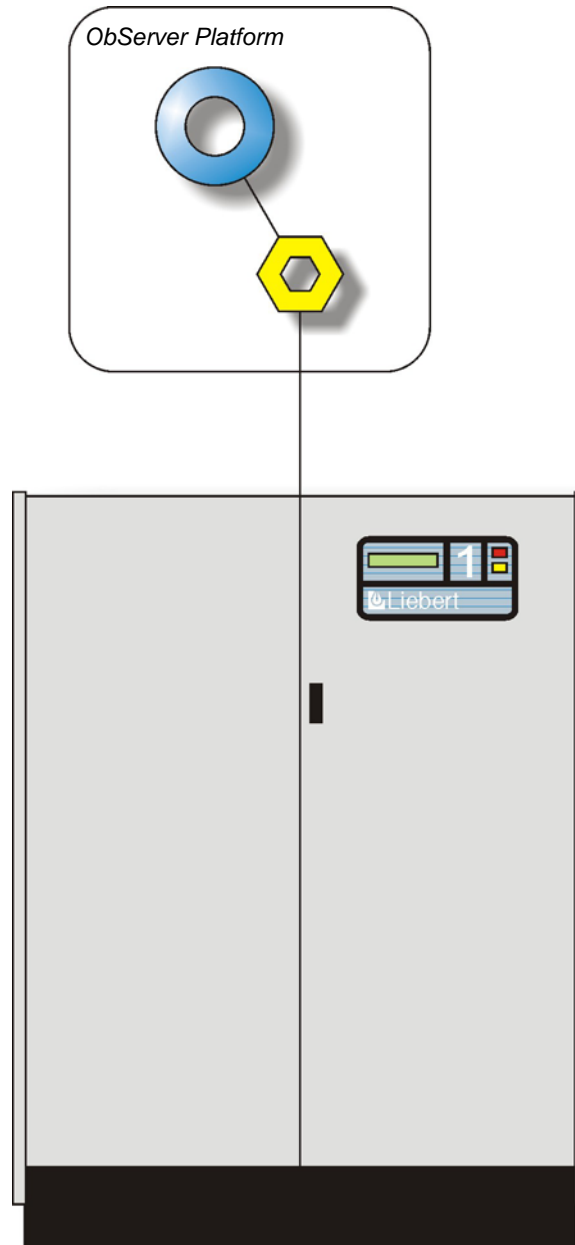
# Product Engineering Guide

OSM v20 LbrtDtwv v10

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## 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.



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## **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.

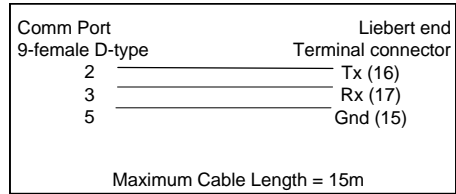
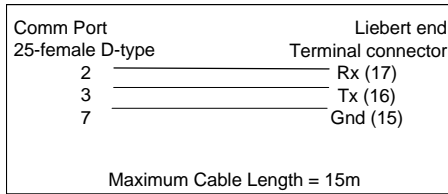
### **Step 5 – Access Objects within the Liebert System**

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.

# Engineering Reference

## 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 <sup>[1]</sup> | Label  | R/W | Type                   |
|-----------------------|--|-----|------------------------|
| Sc                    | Liebert System connected to channel <i>c</i> | -   | [LbrtDtwv v10]         |
| Mc                    | Liebert Module connected to channel <i>c</i> | -   | [OSM v20\LbrtDtwv v10] |

## Notes

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