Product Engineering Guide

OSM v20 HwellXL v11

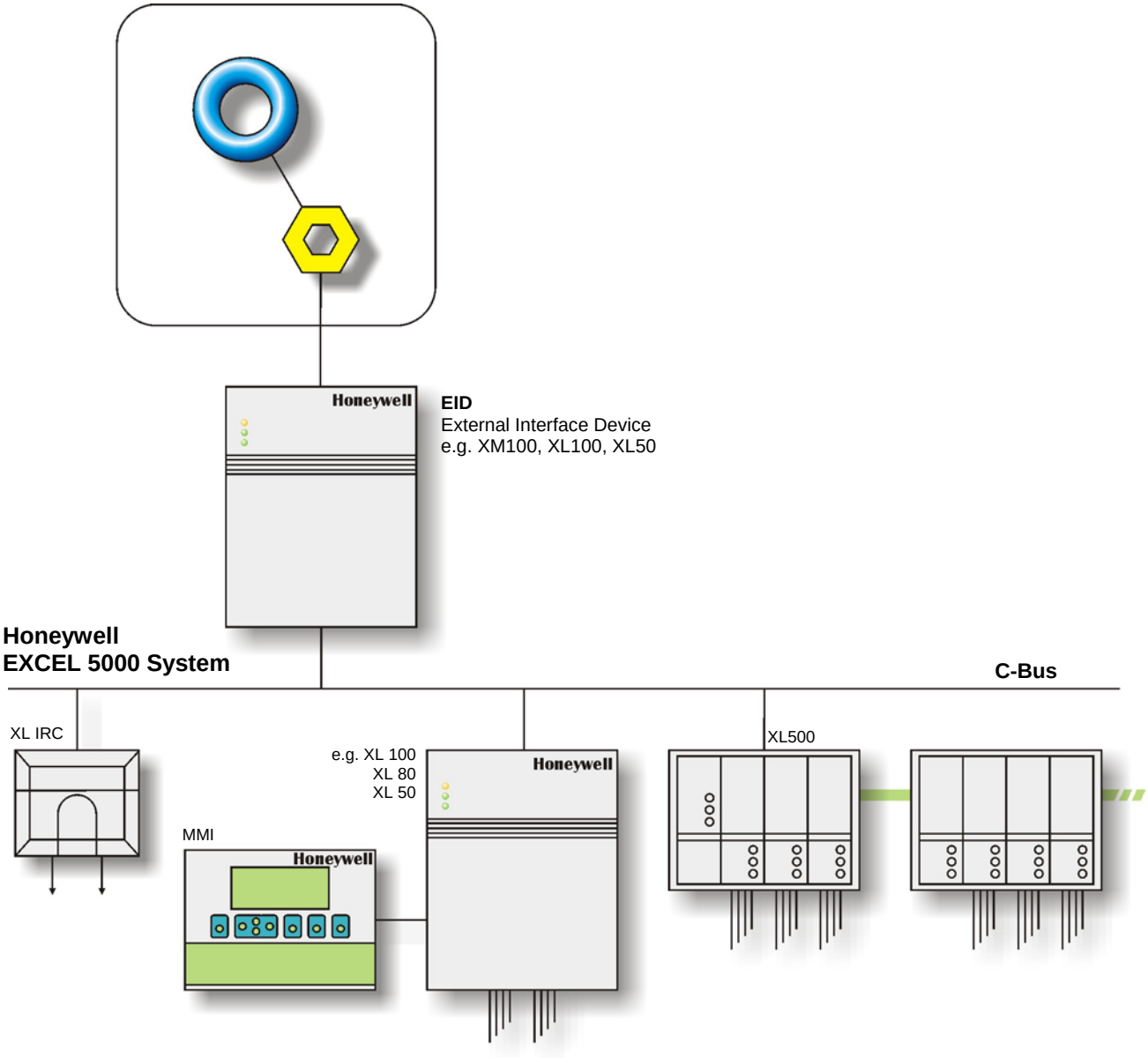
Introduction

The HwellXL driver communicates with the Honeywell Excel 5000 System. The PC that ObSys is installed on connects via the EID (External Interface Device) which can reside in an XM100, XL100, or XL50 controller.

The driver can communicate with up to 30 controllers connected to the C-Bus network. The range of Excel 5000 controllers includes the XL500, XL100, and XL80 shown below. Information from the XL-IRC can be made available via the Excel 5000 controllers by generating 'remote points' in these controllers.

The HwellXL driver can read from and write to the following data-point types:

- Analogue Input
- Analogue Output
- Analogue Pseudo
- Analogue Remote
- Digital Input
- Digital Output
- Digital Pseudo
- Digital Remote
- Date and Time of Excel 5000 System



Engineering

Step 1 – Install OSM

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

Step 2 – Configure Honeywell EID Controller

Press the reset button on the EID controller to clear the setup parameters.

If the EID is an XM100 Controller

Using the MMI keypad configure the XM100 with a *modem type* of '[no init manu ans]' and a *modem baudrate* of 9600.

If the EID is an XL100 or XL50 Controller

Excel 50 Controllers should have firmware v2.04.79 or higher fitted.
Enter locally into the EID a *modem baudrate* of 9600.

Step 3 – Connect COM port to Honeywell System

Using cable, connect the Honeywell EID to a free COM port on the PC. Refer to the section 'Cable' below for details of the cable.

Step 4 – Plug in HwellXL OSM to ObServer

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

The device number, controller type, and EID address are configured using objects. Use object engineering software to view and modify the object within the OSM Point.

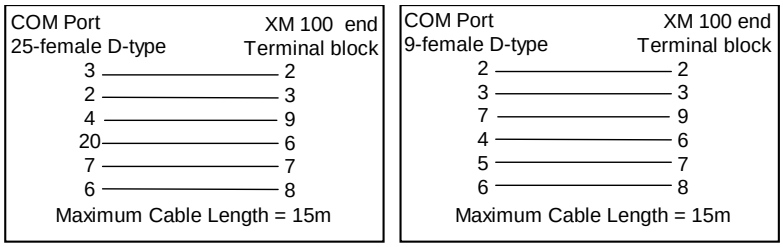
Step 6 – Access Objects within the Honeywell System

Values from the Honeywell System are made available as objects on the OSM Network. Any object software that is connected to the OSM Network can access these objects.

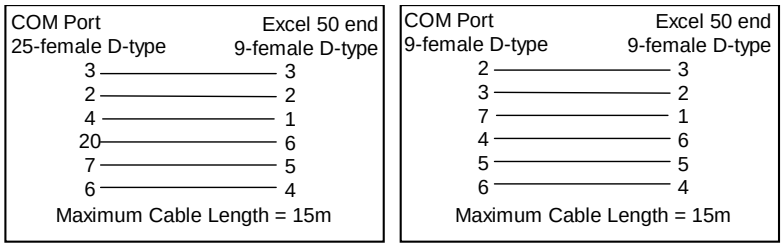
The red LED near the RS232 port of the OSM pulses when a valid message is transmitted or received by the OSM Point.

Cable Specification

The cable between the COM port and the XM100 hardware is as follows:



The cable between the COM port and the XL50 Controller 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*	Honeywell 5000 System	-	*[HwellXL]*
M*c*	HwellXL Module connected to channel *c*	-	*[OSM v20\Hwellxl v11]*

Notes

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