

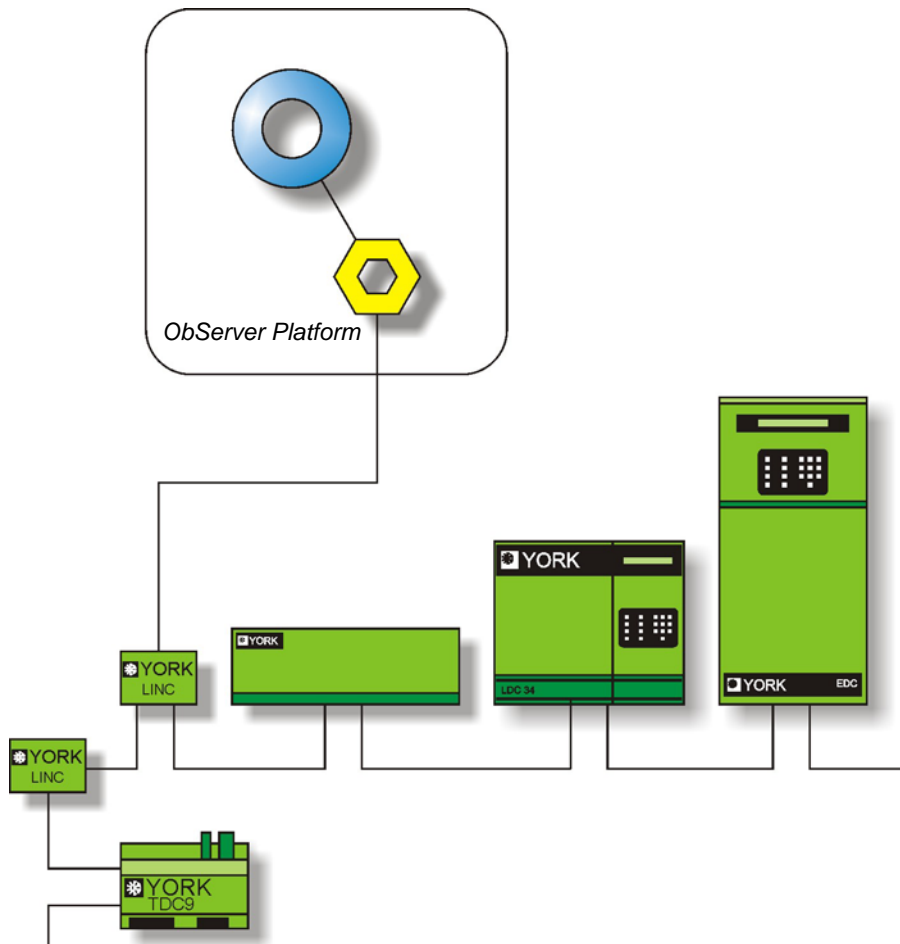
Product Engineering Guide

OSM v20 YorkISN v11

Introduction

The YorkISN OSM links York International ISN™ (Integrated Systems Network) control system to Observer. It communicates with York ISN controllers using release 6.6 software on a 19k2LAN (see details below).

The YorkISN OSM connects to the LINC Universal RS232, which provides a gateway to any ISN controller on the network or sub-network(s).



Supported Range

The following York ISN controllers are supported on a 19K2 LAN only:

- TDC R1.1
- FDC R6.6
- LDC R6.6 and R6.6 YT
- EDC R6.6
- UCS UDC v4 and v5

Notes

All ISN controllers should be configured with the same password.

A Universal LINC232 (York APC part no MS390B) should be used to connect to the ISN network. The LINC232 UCS is not supported.

Engineering

Step 1 – Install OSM

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

Step 2 – Configure York ISN System

Configure each of the ISN controllers with a node number unique to the network it is connected.

The LINC node to be connected to ObServer should be configured, using its DIP switches, for 'FM' connection with a baud rate of 9600.

Step 3 – Connect COM Port to Universal RS232 LINC

Using cable, connect the Universal RS232 LINC to a COM port of the PC. Refer to the section '*Cable*' below for details. Please note the LINC232 UCS is not supported.

Step 4 – Plug in YorkISN OSM to ObServer

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

The baudrate, device number and password are configured using objects. Use object engineering software to view and modify the module objects within the OSM.

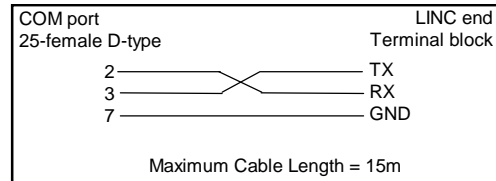
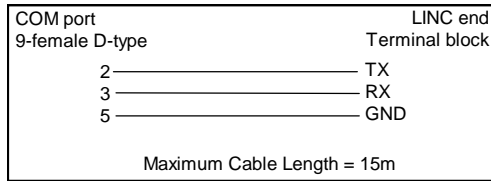
Step 6 – Access Objects within the York ISN System

Values from the ISN control 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 York Universal RS232 LINC 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
Sc	York ISN System connected to channel <i>c</i>	-	[YorkISN] ^[2]
Mc	York ISN Module connected to channel <i>c</i>	-	[OSM v20\YorkISN v11]

Notes

- [1] The ObServer channel number, *c*, is a number in the range 1...40.
- [2] This object has a variable content and as such requires scanning.

Notes

Revision History

Version	Build Date	Details
1.0	20/02/02	Driver released
1.1	24/01/03	Mod: Add support for F32 Optimal Control, F19 Utility Supply, F16 Digital History, and F10 System Calendar.