Product Engineering Guide
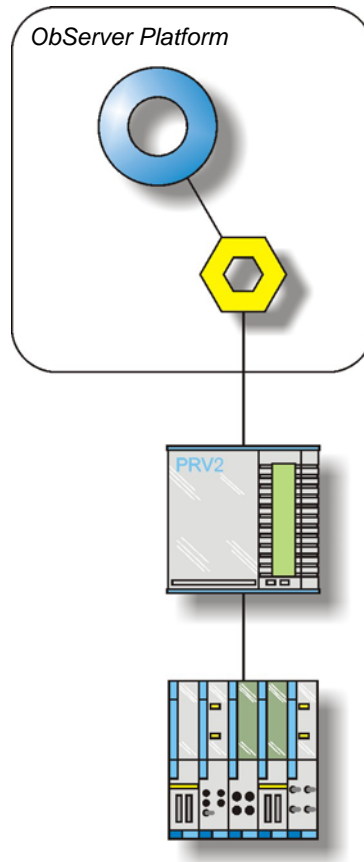
OSM v20 LAGPRV2 v10

Introduction

The LAGPRV2 OSM links Landis and Gyr PRV2 controller and I/O modules to ObServer.

Engineering

Step 1 – Install OSM

The LAGPRV2 OSM is installed automatically with all ObSys editions. Refer to the 'ObSys CD sleeve' for details on how to install ObSys.

Step 2 – Configure PRV2 System

Certain Terminal Settings have to be configured in the PRV2 before communications can begin. They are: @TTY2.MOD=0, @TTY2.NOEC=1, @TTY2.NIM=1, @TTY2.NWCR=1, [202]TSKPRP=3, INITTY2, CLITTY2. Terminal 2 must be used which relates to port "X3" on the PRV2 controller.

Step 3 – Connect COM Port to PRV2 System

Using cable, connect the PRV2 to a COM port of the PC. Refer to the section 'Cable' below for details of the cable.

Step 4 – Plug in LAGPRV2 OSM to ObServer

Use object engineering software to locate the ObServer Setup object. Assign the LAGPRV2 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 LAGPRV2 OSM

The COM port, 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.
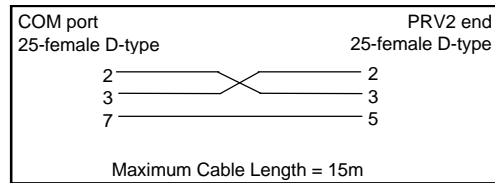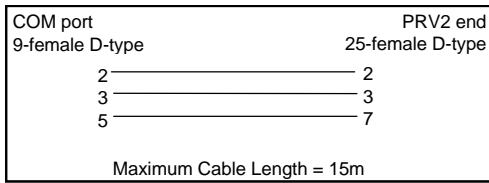
Step 6 – Access Objects within the PRV2 System

Values from the PRV2 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 PRV2 connector marked 'X3' is as follows:

COM port	PRV2 end
9-female D-type	25-female D-type
2 ———————— 2	
3 ———————— 3	
5 ———————— 7	
Maximum Cable Length = 15m	

COM port	PRV2 end
25-female D-type	25-female 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*	LAGPRV2 System connected to channel *c*	-	*[LAGPRV2 v10]*
M*c*	LAGPRV2 Module connected to channel *c*	-	*[OSM v20\LAGPRV2 v10]*

Notes

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