Title: How to use HMIGXU communication with Lxm26 via Modbus

Chen Tao 2015-05-26

Apply to:

Vijeo Designer Basic V1.0.0.680

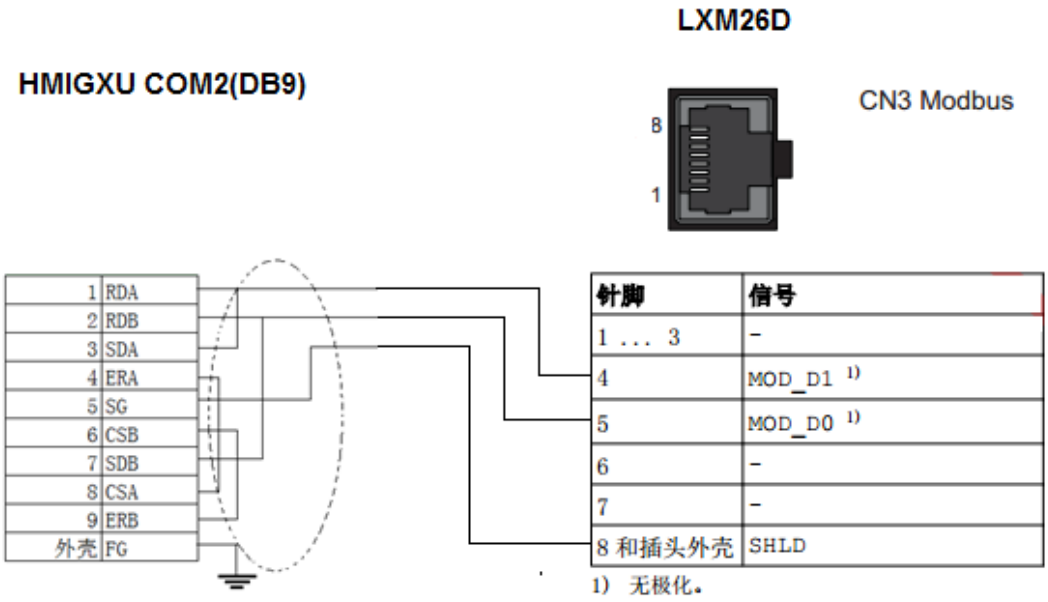
GXU5512, LXM26D

Summary:

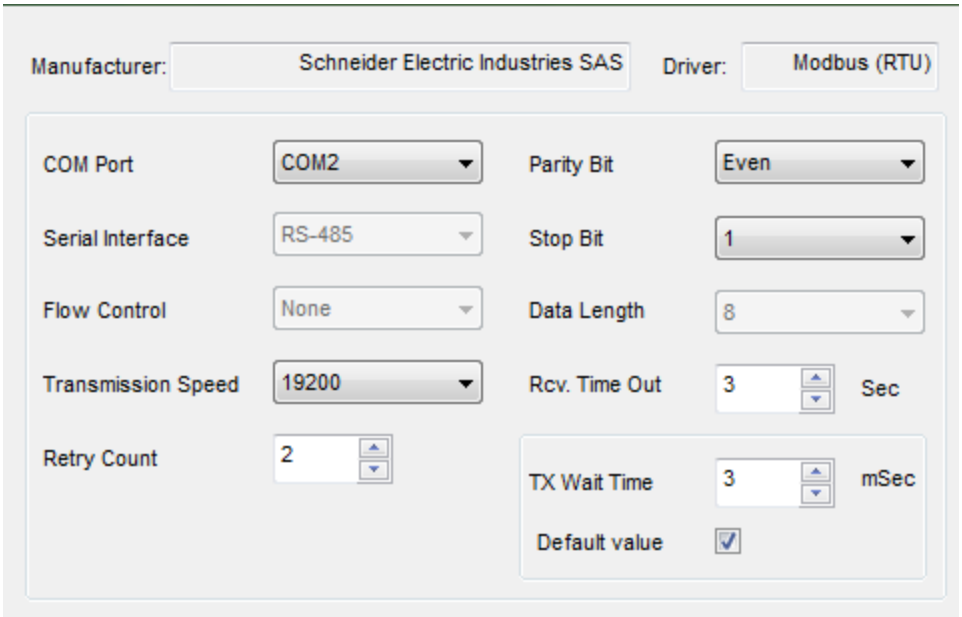
This document will show you how to build communication between HMIGXU and Lxm26 via Modbus, then you will got access to parameter menu in Lxm26.

Solution:

1. Connect Cable



2. Make sure both GXU5512 and Lxm26 have the same Modbus communication settings.
   GXU5512:



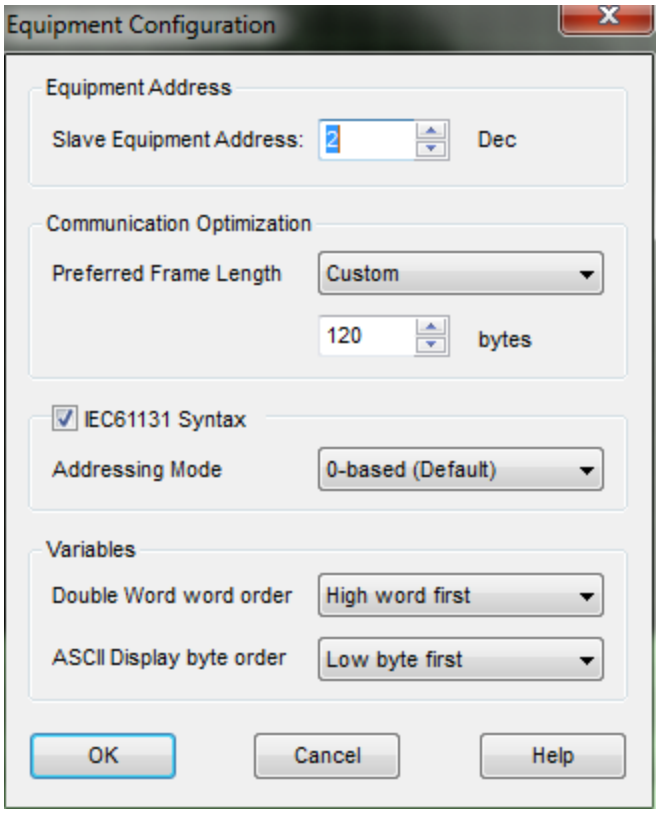
LXM26:

P3-00 = 0x0002

P3-01 = 0x0402

P3-02 = 0x0007

3. Inside the VJD_Basic, Configure the GXU5512 as the master, and parameter "Double Word word order" should be "High word first".



4. Address Calculation

   For LXM26: Pm-n -> m*16#100 + n*2 + 16#100

   For example, if you want to access to parameter:"P3_06" in Lxm26,

   Then you will get this address Hex: 3*16#100+6*2+16#100=16#40C,

   It equals to Dec: 10#1036.

   So you should configure "Device Address" as “%MW1036” for the variable.

Name	Data Type	Data Source	Scan Group	Device Address
P0_00_lxm26	DINT	External	ModbusEqui...	%MW256
P0_01_lxm26	DINT	External	ModbusEqui...	%MW258
P3_06_lxm26	DINT	External	ModbusEqui...	%MW1036