OPERATOR INTERFACE PRODUCTS APPLICATION NOTE

AN# 1093

Subject: DesignStudio
Date: 11/30/1999
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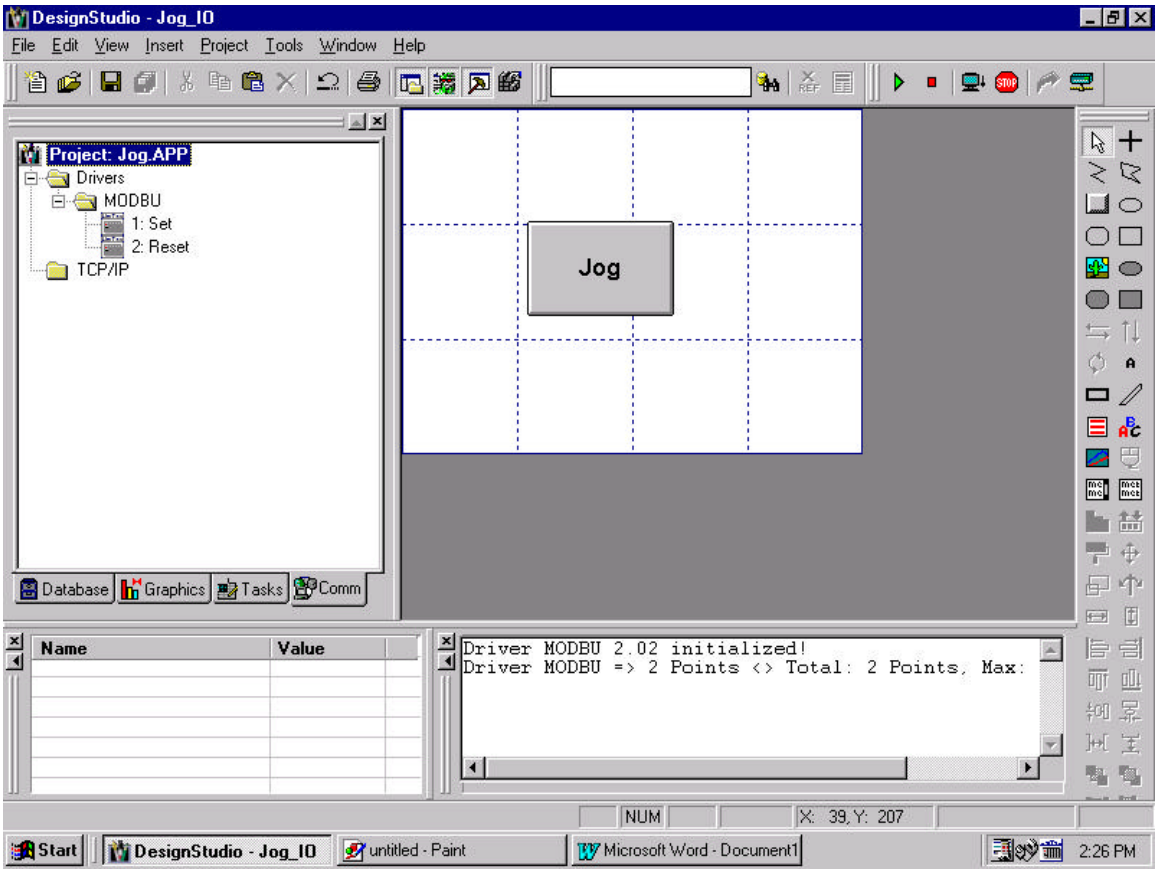
Description: I/O communications using the Write Trigger.

This application note is intended to assist the developer of DesignStudio applications in optimization of I/O communications. Writing continuously to the I/O will affect the performance of your application and using a Write trigger will minimize the communications.

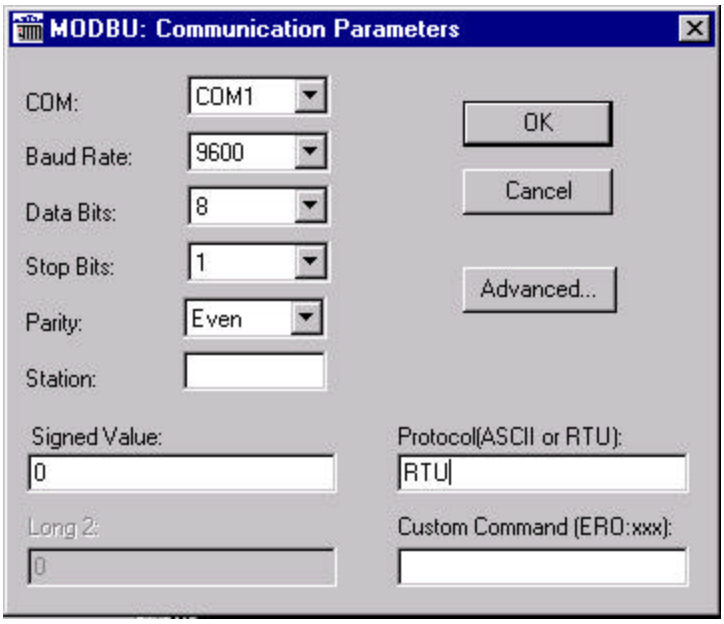
Following this approach will enable a Write Trigger for the Driver sheet associated with the communications to set or the reset of the output coil.

Procedures:

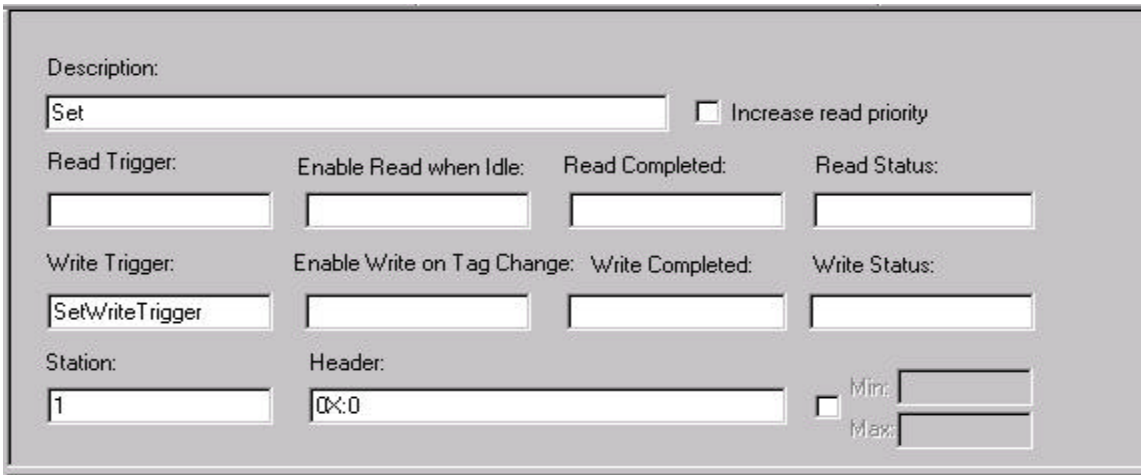
Select the Comm. tab and insert the Modbus driver.



Right click on the Modbus and select Settings. Configure the communications settings as follows:

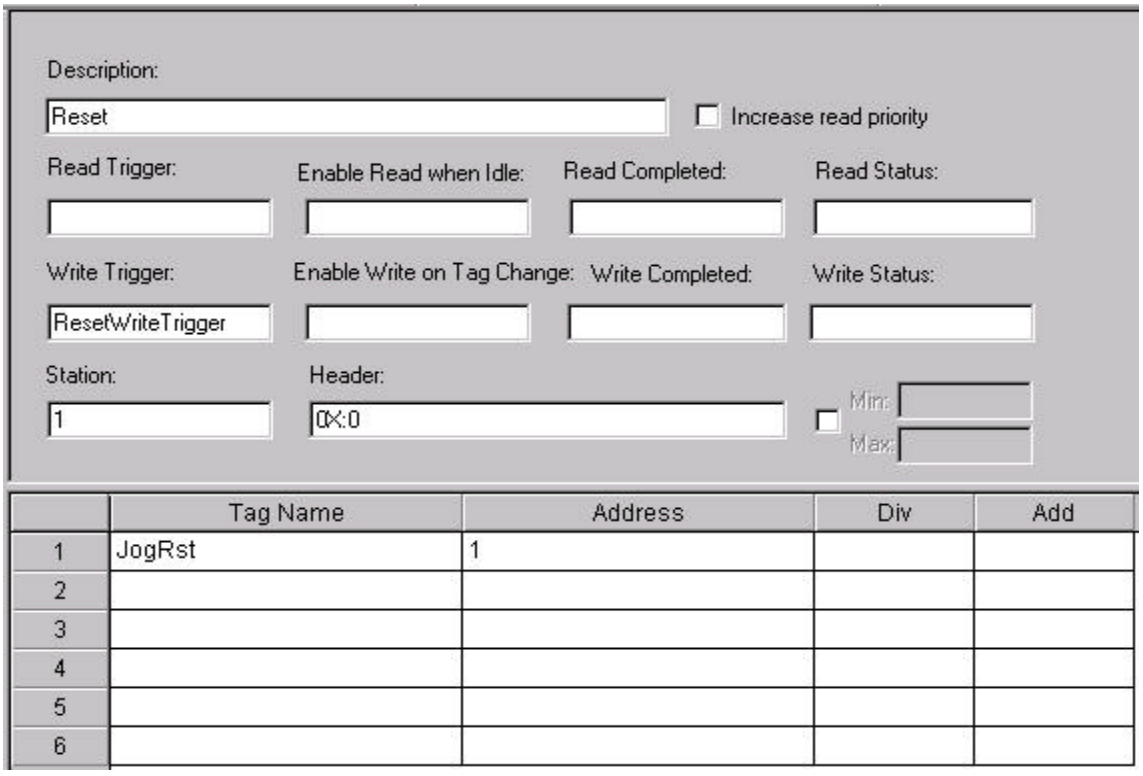


Right click on Modbus and select Insert. Configure the form as below. Close and then save as Sheet1.



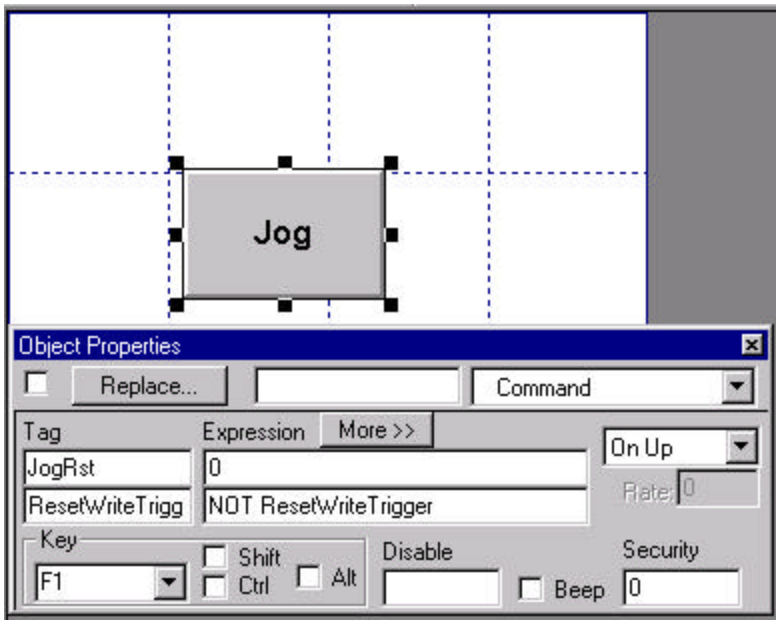
	Tag Name	Address	Div	Add
1	Jog_Set	1		
2				
3				
4				
5				
6				

Insert another sheet and configure it to match this sheet. Close and save as Sheet2.

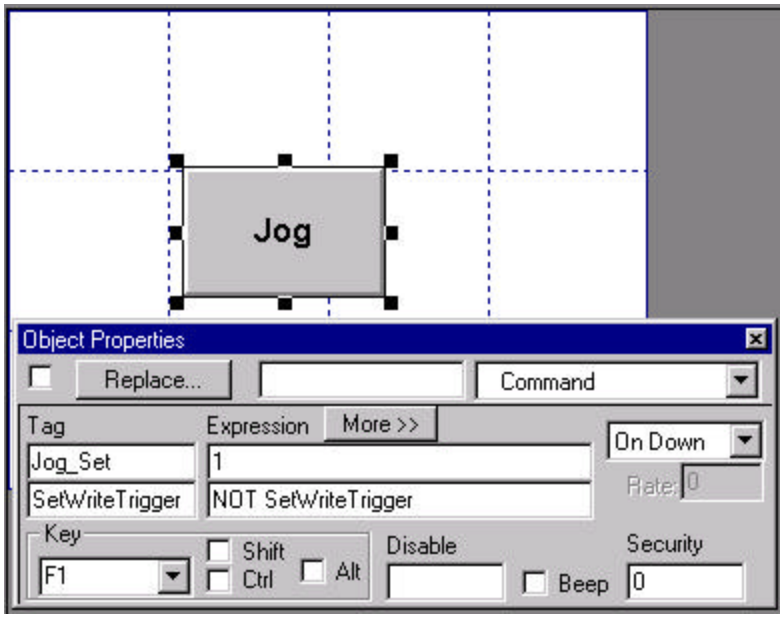


	Tag Name	Address	Div	Add
1	JogRst	1		
2				
3				
4				
5				
6				

Select the Graphics tab and right click Screen and Insert a screen. Click on the Button object and place it on the graphic work area. Configure the Text to read Jog. Click on the Command object and configure the On Down actions as follows:



Select On Up and configure it to match below.



Close the screen and save it as Jog.scr. Connect COM1 to your PLC. Set your Execution environment to Local. Run your application. Set up a Database Spy Window for the value of Set_Jog and JogRst tags. Press F1 or click on to the Jog button and you will see the states change. Using a light as output on you PLC and you will see it respond to the On Down and On Up settings of the Jog button.