

# **Connected Component Workbench Task-based Quick Start**

## **CN02 – Create an Offline Application for PanelView Component**

## **Hardware & Software Versions Used to Develop This Quick Start**

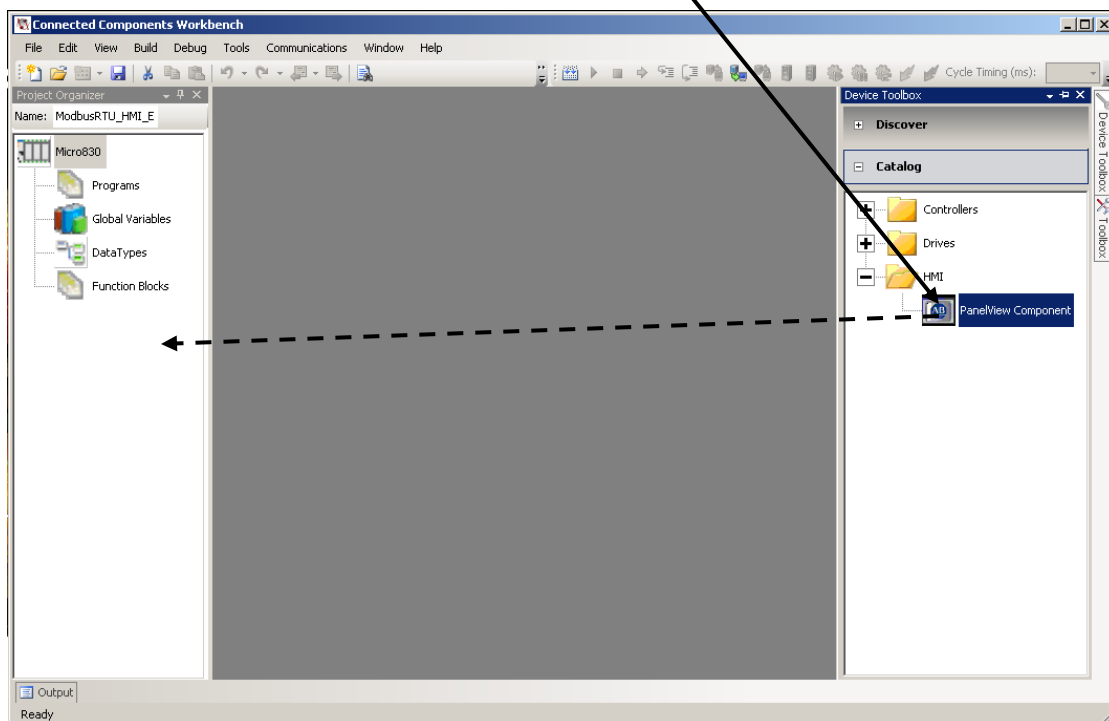
CCW Release 1

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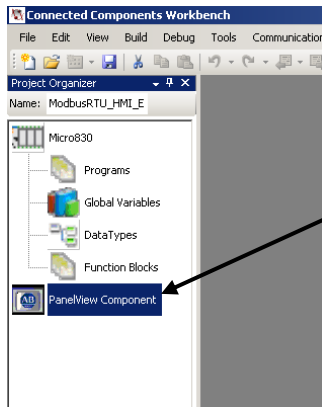
## Create an offline PanelView Component application

1. Add a PanelView Component device to your project.

From the **Device Toolbox**, click and drag a **PanelView Component** device into your **Project Organizer**.

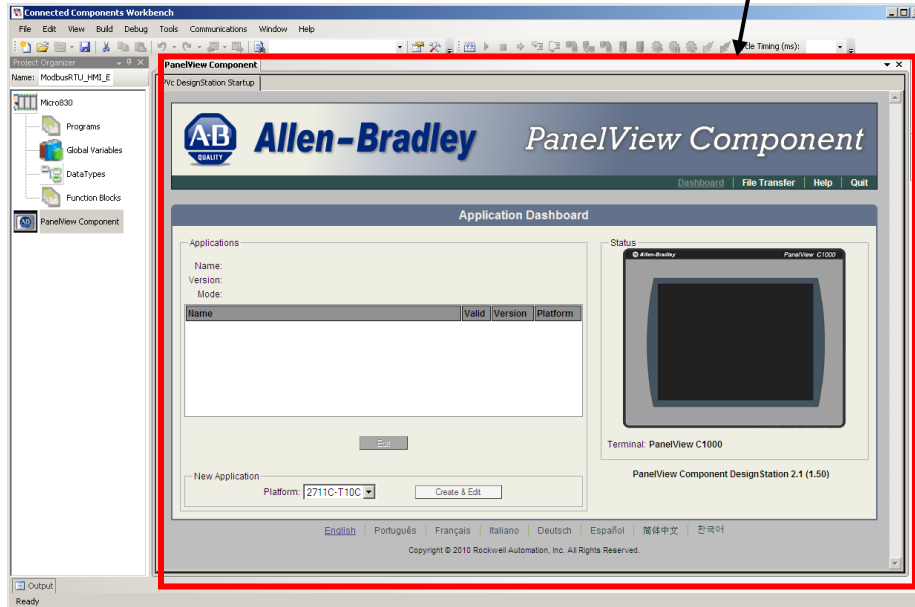


2. Launch PanelView Component Design Station.

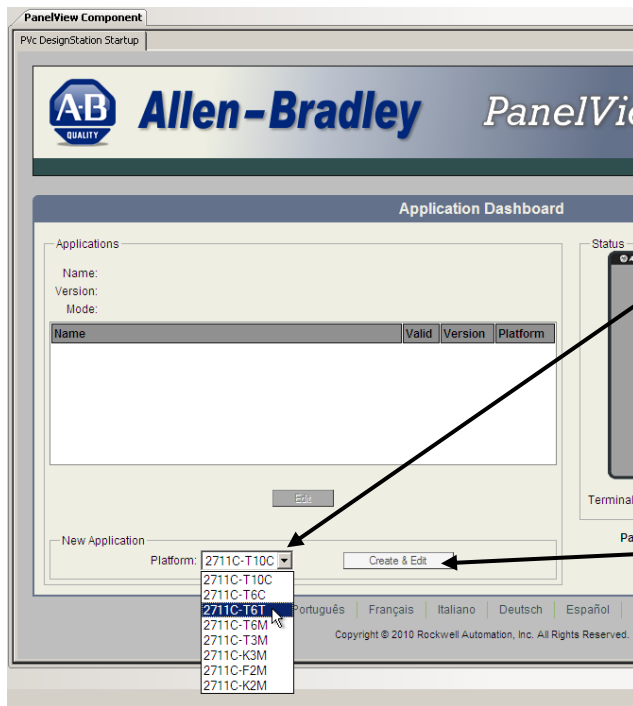


Double-click the **PanelView Component** icon in the **Project Organizer**.

The **PanelView Component Design Station Startup** pane will open as a new tab in the main project window.



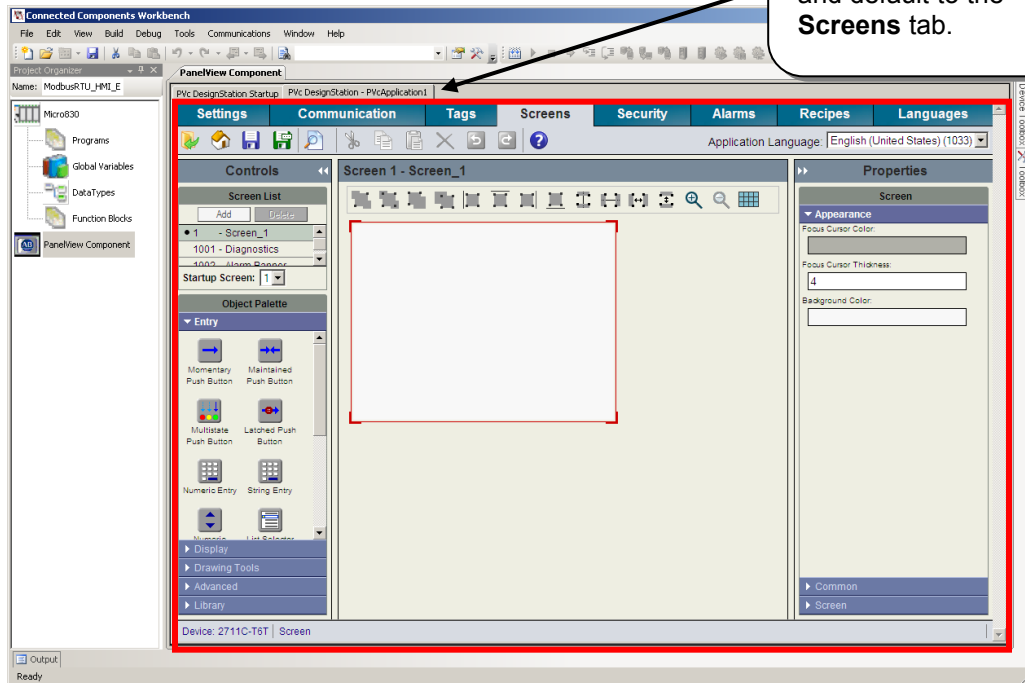
3. Select the PanelView Component platform and create a new application.



Click the **Platform** drop-down and select **2711C-T6T**.

Click the **Create & Edit** button.

The application will launch in a new tab in the main project window and default to the **Screens** tab.



4. Setup **Communication** settings to configure your PanelView Component as a Modbus Master to communicate to your Micro800 controller.

Select the **Communication** tab.

PanelView Component

PVC DesignStation Startup PVC DesignStation - PVCApplication

Settings Communication Tags Screens Security Alarms Recipes Languages

Application Language: English (United States) (1033)

Load Last Saved Driver Configuration

Protocol  
 Serial DF1  
 Ethernet Allen-Bradley SLC/PLC

Driver USB / Ethernet

Use Ethernet Encapsulation:

PanelView Component Settings

Write Optimization

Port	Baud Rate	Data Bits	Parity	Stop Bits	Flow Control	Report Errors?	Station Address	Protocol	Link Settings	Only Accept Responses For Station Address	Slave Poll Delay
RS232	19200	8	None	1	None	<input checked="" type="checkbox"/>	2	Full Duplex	<input type="checkbox"/>		500

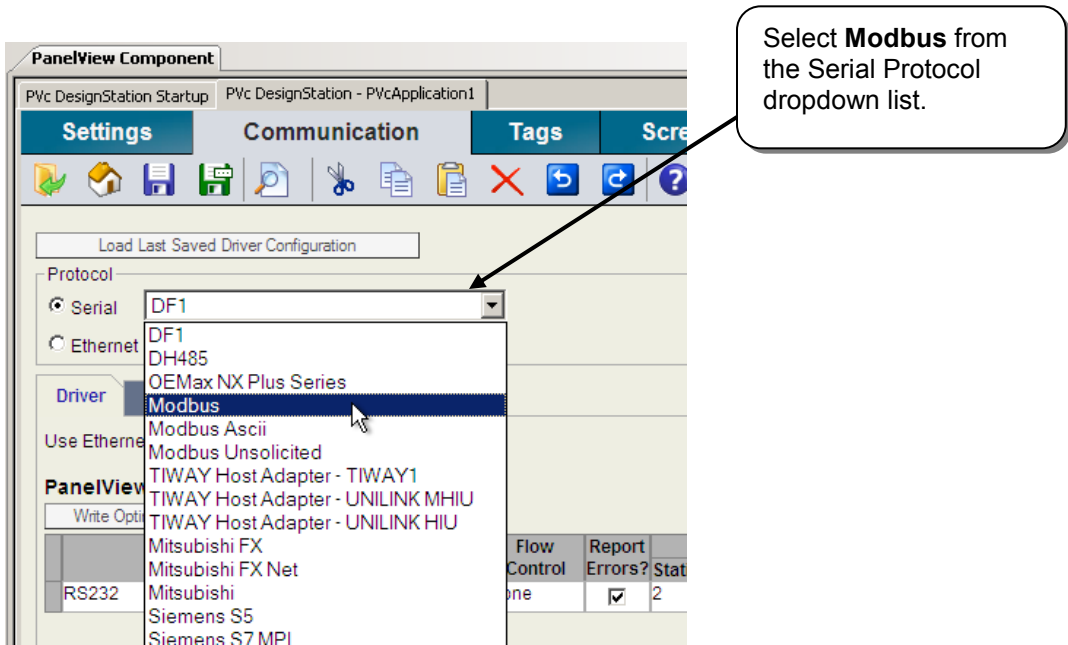
Controller Settings

Add Controller Delete Selected Controller(s)

Sort by Name Ascending

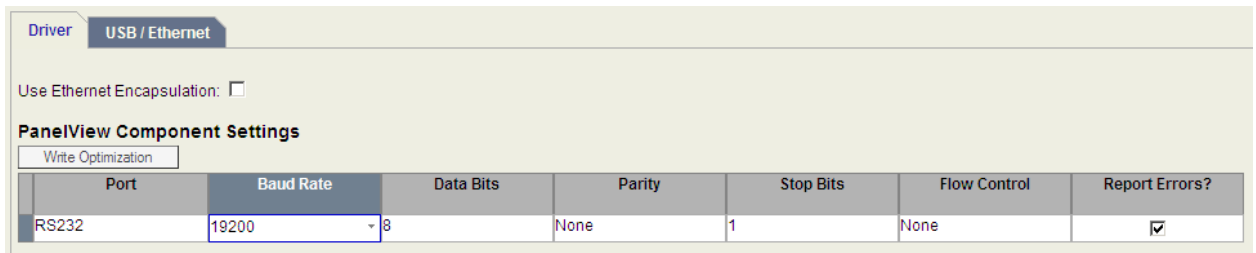
Name	Controller Type	Address	Timing	Auto-Demotion	Description	Error Checking Method	Swap PLC-5 Float Words?	Request Size	Disable N File Floats	Slot	Bit Configuration
PLC-1	MicroLogix	1	...	...		CRC	<input type="checkbox"/>	Large	<input type="checkbox"/>		

Device: 2711C-T6T

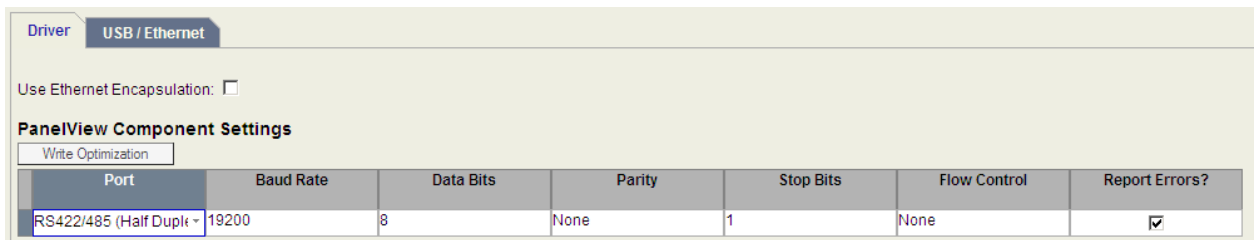


Configure the Driver settings as shown below – the default settings will work for RS232. If using RS485, change the Port settings to **RS422/485 (Half-duplex)**.

### RS232

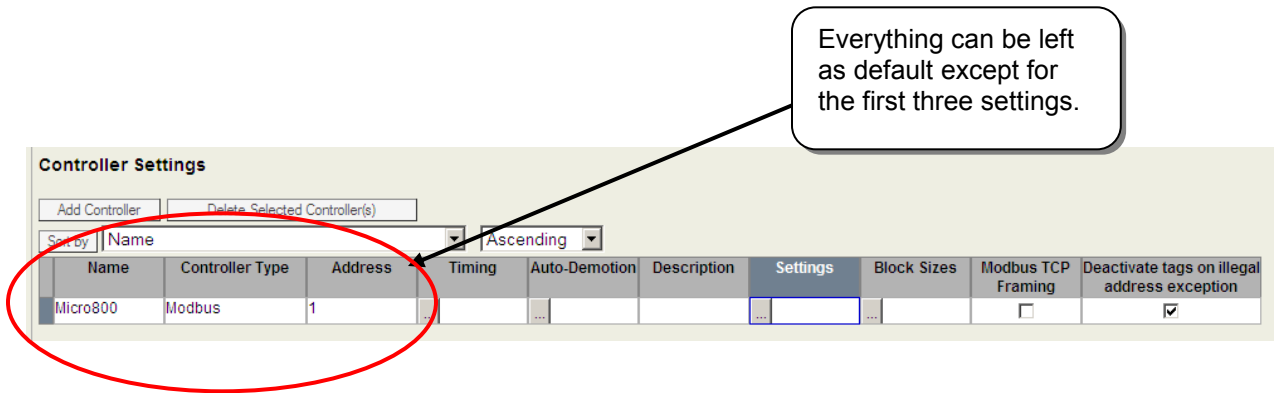


### RS485



5. In the Controller Settings, configure a controller with settings as shown below.

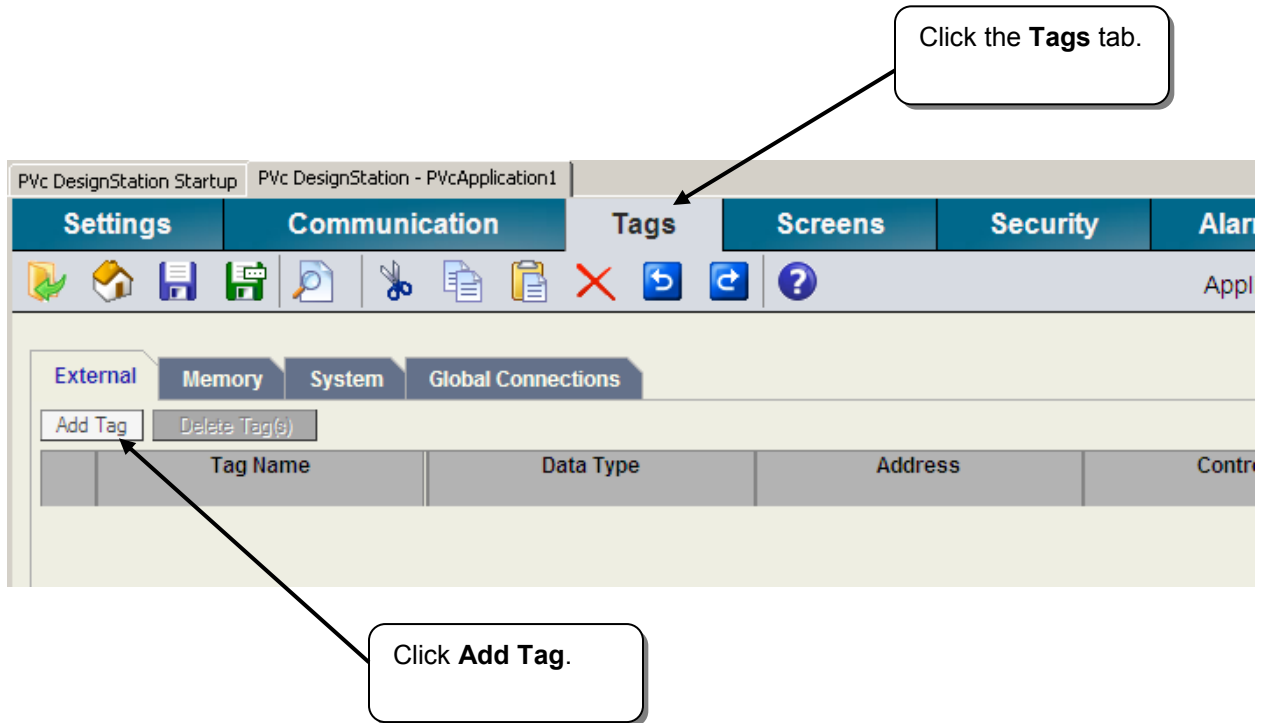
Everything can be left as default except for the first three settings.



Name	Controller Type	Address	Timing	Auto-Demotion	Description	Settings	Block Sizes	Modbus TCP Framing	Deactivate tags on illegal address exception
Micro800	Modbus	1						<input type="checkbox"/>	<input checked="" type="checkbox"/>

6. Create tags addressed to the tags you created in your Micro800 in QuickStart CN01.

Click the **Tags** tab.

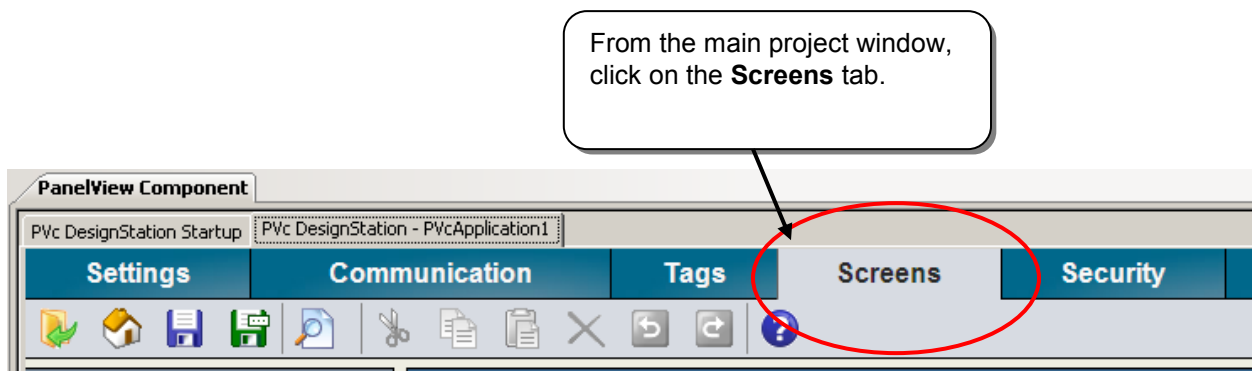


Click **Add Tag**.

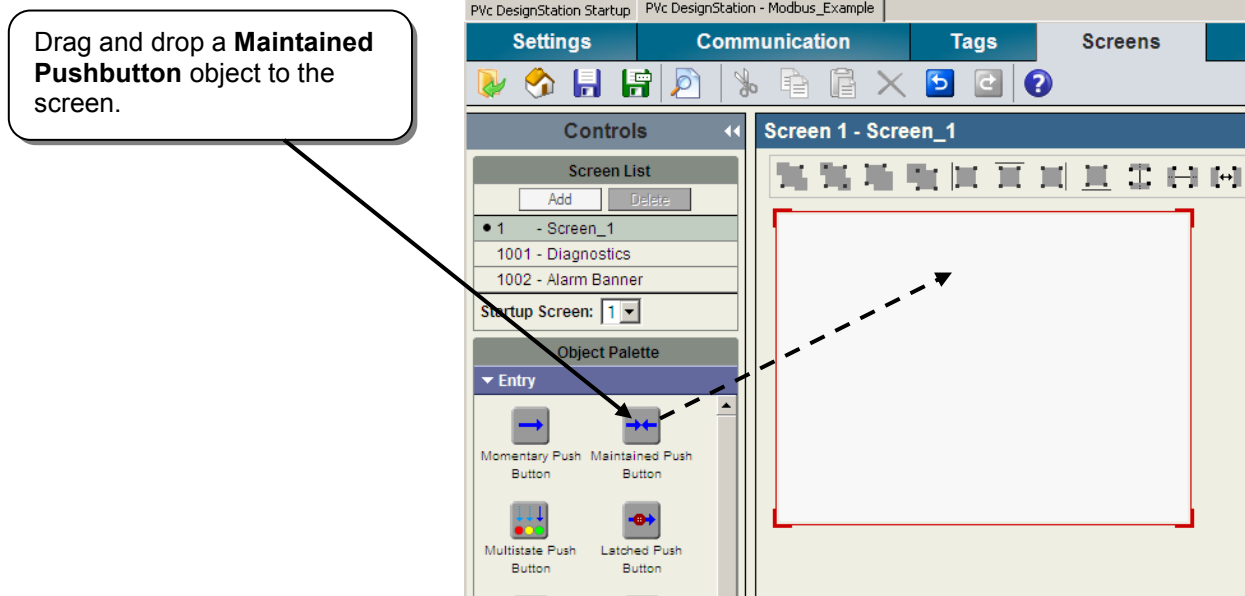
Create the following tags as shown below – make sure to choose the correct data type.

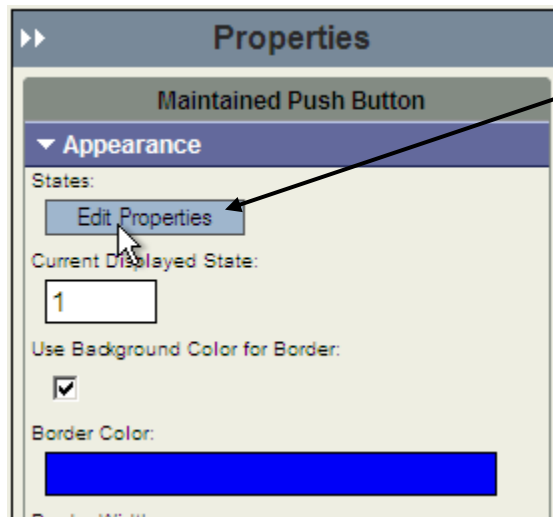
	Tag Name	Data Type	Address	Controller
1	Output_0	Boolean	0000001	MICRO800
2	Cycle_Count	32 bit Integer	3000001	MICRO800
3	Remote_Status	Boolean	1000001	MICRO800
4	DATA	16 bit Integer	4000001	MICRO800

7. Create a screen display with objects linked to the tags you just created.



Create a maintained pushbutton linked to tag, **Output\_0**. This is not typical practice, as a direct output should not be turned on/off directly, but is done for demonstration purposes.



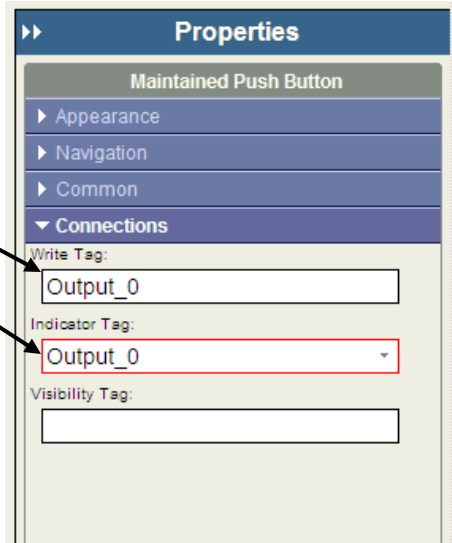


Configure the pushbutton states by selecting the States **Edit Properties** button from the pushbutton's Properties pane on the right hand side.

Configure the color and text of the states as shown below, then click **OK**.

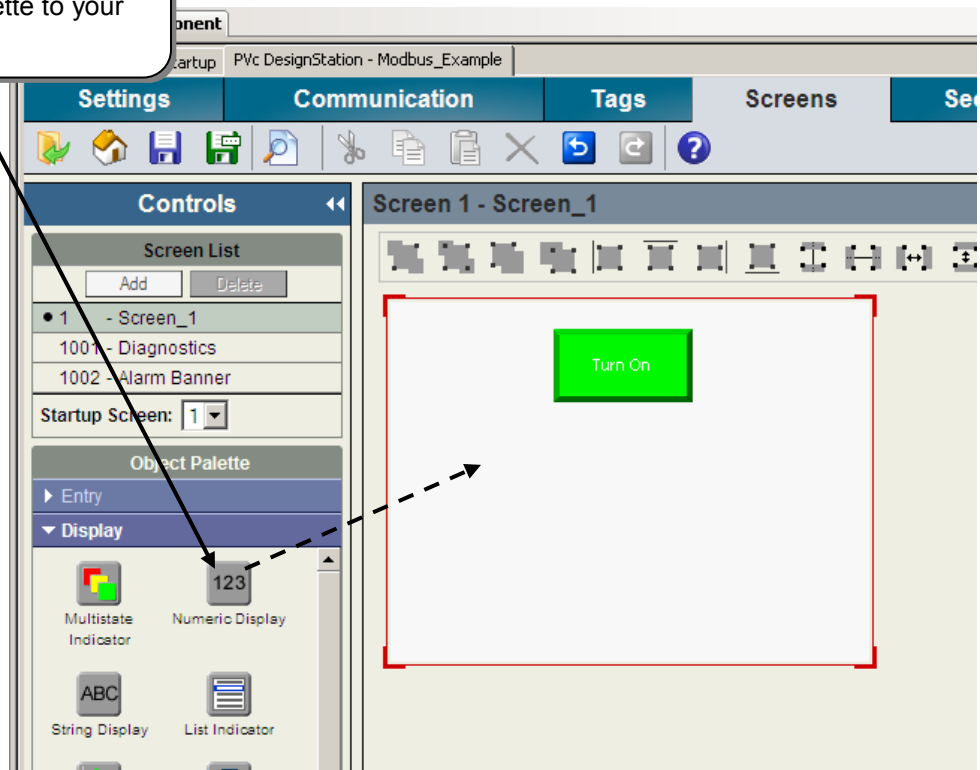
	Value	Background			Text	T
		Color	Fill Style	Fill Color		
1	0		Background Color		Turn On	
2	1		Background Color		Turn Off	
3			Background Color		Error	

Configure the **Connections**  
Write Tag and Indicator Tag to  
tag **Output\_0**.

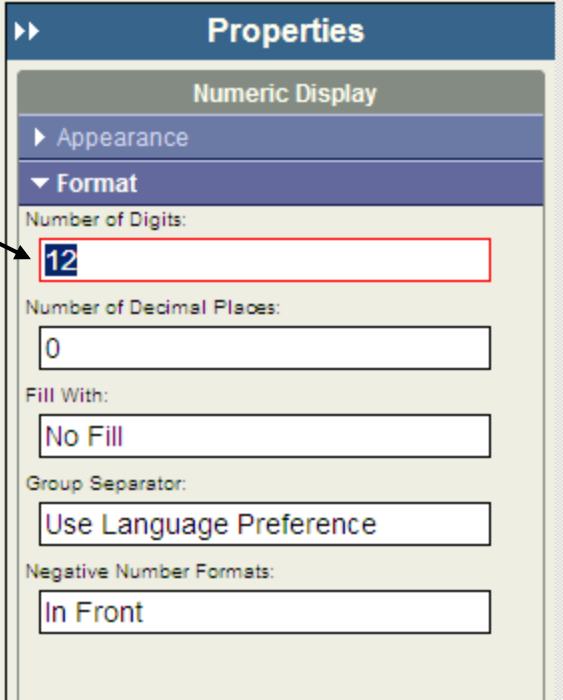


Create a numeric display object linked to tag, **Cycle\_Count**.

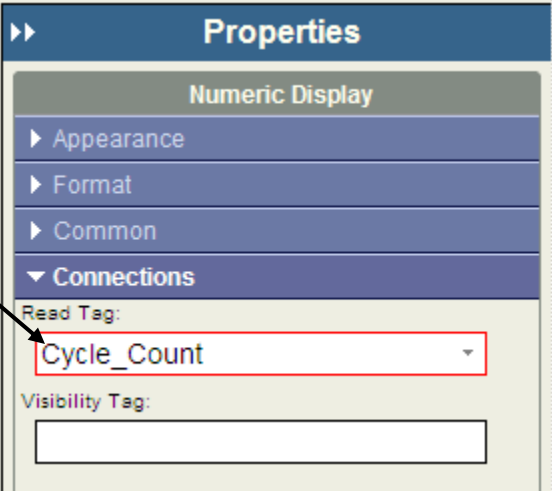
Drag and drop a **Numeric Display** object from the Display object palette to your display.



In the Numeric Display Properties pane, select the Format tab, and configure **Number of Digits** to 12.

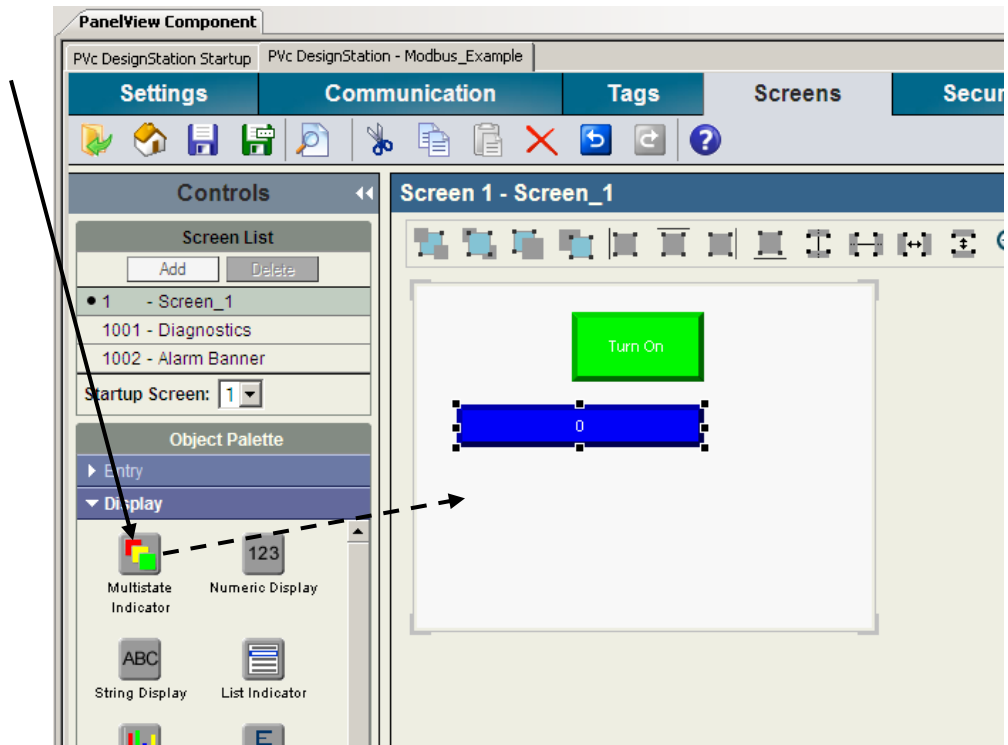


In the Numeric Display Properties pane, select the Connections tab, and configure **Read Tag** to **Cycle\_Count**.

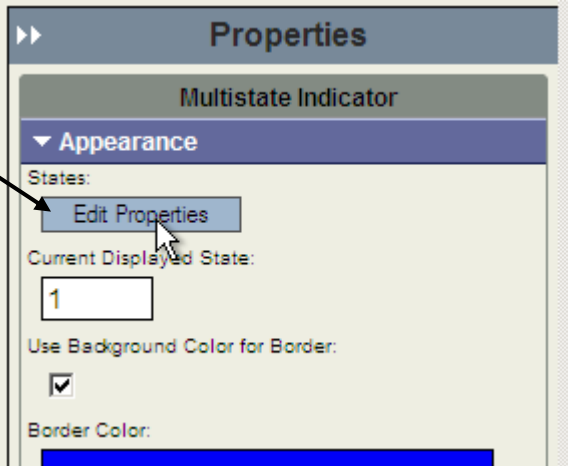


Create a multistate indicator object linked to tag, **Remote\_Status**.

Drag and drop a **Multistate Indicator** object from the Display Object Palette onto your display



Edit the indicator states by going to the Multistate Indicator Properties pane, selecting the Appearance tab, and clicking **Edit Properties**.



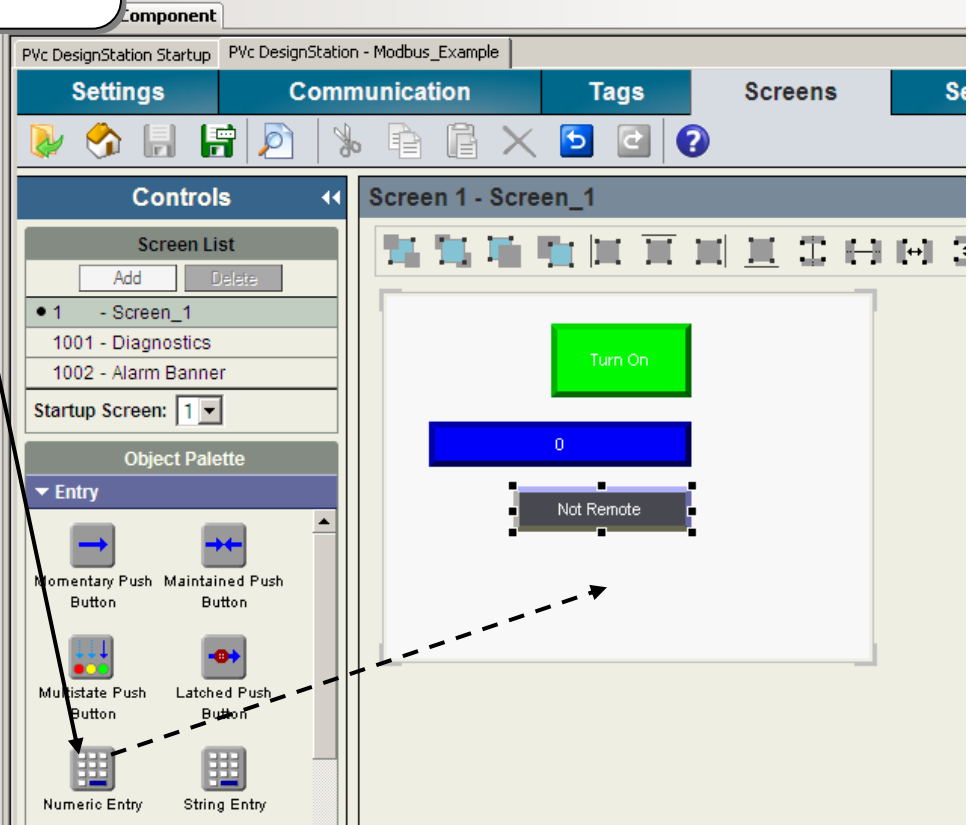
Configure the color and text of the states as shown below, then click **OK**.

The screenshot shows the 'States' table in the 'Properties' window. The table has columns for 'Value', 'Color', 'Fill Style', 'Fill Color', 'Text', and 'Text'. Three states are defined:

	Value	Color	Fill Style	Fill Color	Text	Text
1	0	Black	Background Color		Not Remote	
2	1	Green	Background Color		REMOTE	
3		Blue	Background Color		Error	

Create a Numeric Input Enable object linked to tag, **DATA**.

Drag and drop a **Numeric Entry** object from the Entry Object Palette onto your display.



In the Numeric Entry Properties pane, select the Format tab, and configure the properties as shown here.

The screenshot shows the 'Properties' pane for a 'Numeric Entry' object. The 'Format' tab is selected and expanded. The following properties are visible:

- Keypad Type:
- Maximum Value:
- Minimum Value:
- Decimal Point:
- Number of Decimal Places:
- Numeric Field Width:
- Group Separator: (empty)

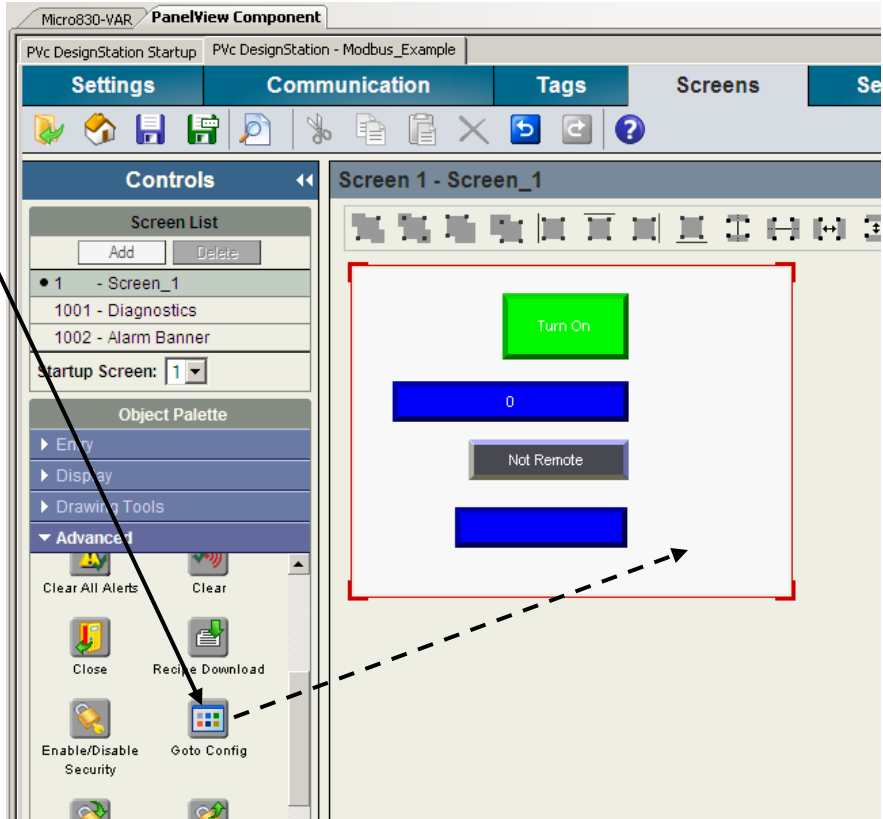
In the Numeric Entry Properties pane, select the Connections tab, and configure the Write Tag and Indicator Tag to, **DATA**.

The screenshot shows the 'Properties' pane for a 'Numeric Entry' object. The 'Connections' tab is selected and expanded. The following properties are visible:

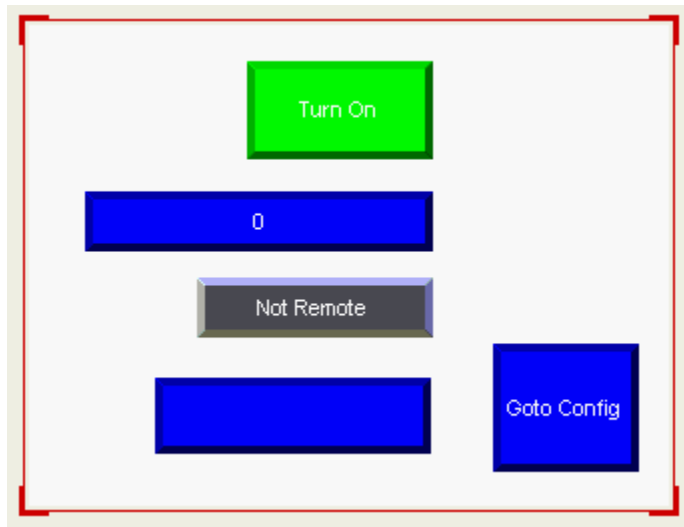
- Write Tag:
- Indicator Tag:
- Notify Tag: (empty)

Add a **Goto Config** button to your display.

Drag and drop a **Goto Config** object, from the Advanced Object Palette, onto your display.



Your display should look like the following.



8. You are done creating your PanelView Component application. Save your application.