How to Use Numeric Controls and Indicators Tutorial

Control -> Modern -> Numeric -> Numeric Control [123] , Numeric Indicator [123]

Start by opening the Controls palette and select the Modern palette. Under the Modern palette, you should find a sub-palette called Numeric [123] . Within the Numeric palette, you will see the first two icons are the Numeric Control [123] and Numeric Indicator [123] .

These two front panel objects will allow you to manipulate inputs and see outputs.

The Numeric Control is a input display which by default is a numeric double value and can modified using the up and down arrows next to the display or manually changed by double clicking and inputting the desired value.

The Numeric Indicator is an output display which will display the value that it receives. The value it receives is determined by how the data path in the block diagram (which can be brought with Ctrl-E).

Now if you haven't already, select the Numeric Control or Numeric Indicator and place it on your Front Panel layout. You will notice that the label is automatically highlighted so that you can modify the name of the value (this can also be highlighted by double clicking the label.

In addition, you will notice in the block diagram associated with your Front Panel, LabView has created a corresponding numeric double value in the block diagram for you, which is linked to the corresponding front panel object. So for the Numeric Indicator, whatever input it receives will be displayed on the Front Panel while for the Numeric Control, whatever value is specified on the Front Panel will be the value output by the that block.
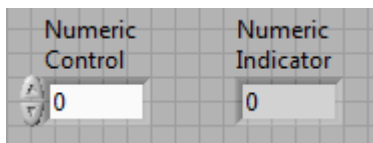
 Figure 1   Figure 2

You will notice that the Numeric Control acts as a source of data and only provides data values from the Front Panel and the Numeric Indicator only accepts values to display on the Front Panel.