

TYPE	DESCRIPTION
<b>Contact Output Voltage On</b>	Some contacts use electronic components to detect if there is a voltage across the open contact and can be used as a trip coil monitor. If the voltage across the contact is higher than a threshold voltage, this function will be ON (1). This style of output contacts must not be used as inputs to other electronic devices like SCADA systems as they may cause incorrect states through the internal diodes.
<b>Contact Output Voltage Off</b>	This status represents "NOT Contact Output Voltage ON."
<b>Contact Output Current ON</b>	Like Contact Output Voltage ON, this status input monitors the current flowing through the output contact to monitor the status of the output circuit. If the Current flowing through the contact is higher than the contact threshold current, the status will be ON (1).
<b>Contact Output Current OFF</b>	This status represents NOT Contact Output Current ON.
<b>Remote Inputs On</b>	Many GE UR series relays can communicate with each other via communication ports to share information and work as a system instead of a lonely island in the protection stream. If such a communication network is in place, this status input monitors the contact inputs of another relay and will turn ON (1) if the remote relay's input is ON (1). The syntax column selects which input on which relay is monitored.
<b>Remote Inputs Off</b>	This status represents NOT Remote Inputs On and the syntax column selects which remote relay's input will be monitored.
<b>Remote Devices On</b>	When a communication network is set up between GE UR series relays and information is shared between the relays, it is often imperative to know whether the remote relay is still communicating with the local relay. This status will be ON (1) if the remote relay selected in the syntax column is still communicating with the local relay.
<b>Remote Devices Off</b>	This logical input represents NOT Remote Devices On and the remote relay is selected in the Syntax column.
<b>Protective Element</b>	This logical input can be any of the relay labels selected in the syntax column. It is important to select the correct element from the text and understand its function.

**Figure 1-60: Description of FlexLogic Functions**

As you can see, the GE UR FlexLogic™ has an incredible amount of flexibility and overwhelming number of selections. While 90 +% of the available functions may never be used, it can be very cumbersome and confusing when entering FlexLogic™ equations. The "View" button at the top of the columns is a useful function that should be used often to prove equations and look for errors. Clicking this button automatically checks the logic for errors and creates a logic diagram for you to view.