PLC & Ladder Logic
Micrologix 1000

The User Manual is located on my Website:

See pages E34 – E35 for a “Toggle” example in RSLogix

On/Off Circuit Ladder Program

Rung 1: 1
If the push button input has gone from false-to-true and the output is presently 0, turn the output on.

Rung 2: 2
Perform the same as for Rung 1, but if the output is presently 1, turn it off.

Rung 3: 3

Rung 4: 4

One-Shot Rising (OSR)

The OSR instruction is a special input instruction that turns on or off in response to a single change in the state of the input it monitors.

Sinking and Sourcing Circuits

Any of the Micrologix 1000 DC inputs can be configured as sinking or sourcing depending on how the DC COM pin is wired to the MicroLogix.
Time ON Delay

Count Up Timer

Allen-Bradley

MicroLogix™ 1000
Programmable Controllers

References