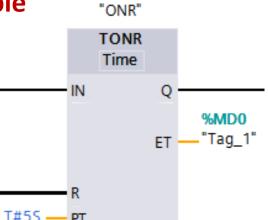
Siemens S7-1200

CPU 1212C AC/DC/Relay

Timer Operations

 How to change PT of TONR dynamically

Exercise Example



%DB3



www.codeandcompile.com



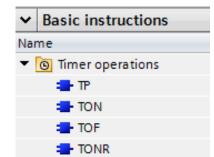


Timer Operations in LAD – Changing PT of TONR

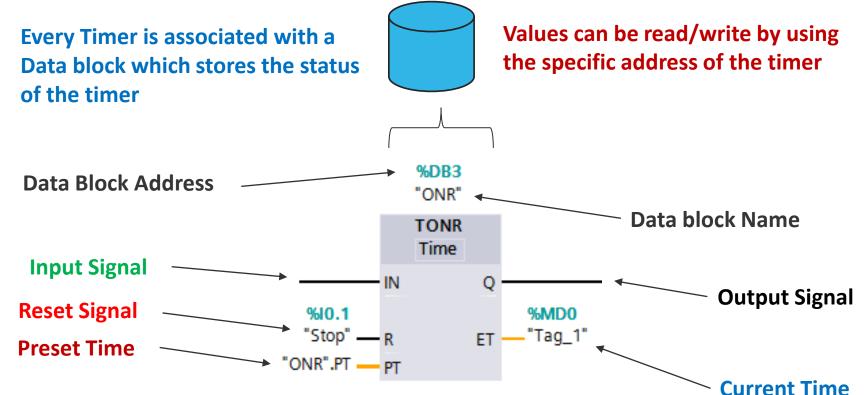


Retentive ON Delay

The TONR timer sets the output (Q) to ON after a preset time delay. The elapsed time is accumulated over multiple timing periods until the reset (R) input reset the elapsed time.



Data Block (DB)





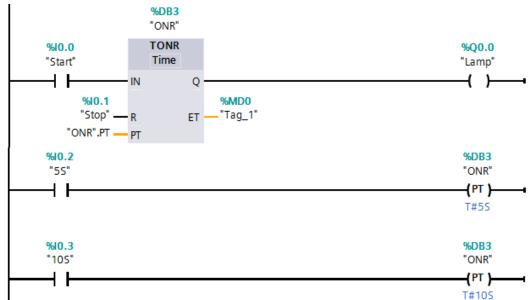
Exercise Example

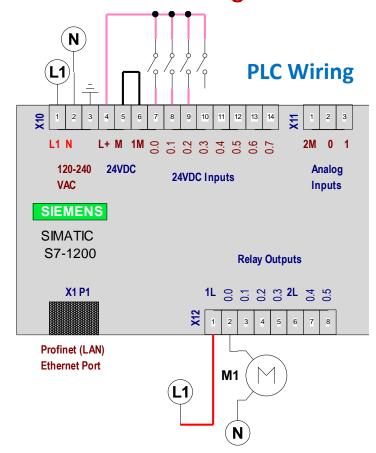


Write a Logic to energize an output via retentive timer. Use the following elements:

- 10.0 to energize the output
- I0.1 to reset the ET
- 10.3 to change the PT to 5S
- I0.4 to change the PT to 10S

Ladder Solution





What did we learn in this lesson?

- By default timers are associated with a data block which has all the addresses of the timer
- We can read/write the values of timers by accessing the associated data block addresses

Thank you

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