TON and TOFF Instructions

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

Harsha Priyanka

IIT Bombay
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- **Delayed turn ON (TON) timer**

Learning Objectives

- **Delayed turn ON (TON) timer**
- **Delayed turn OFF (TOFF) timer**

System Requirements

- **Ubuntu Linux 18.04 OS**

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- **Traffic Light module**
- **Switchboard module**

Pre-requisites

- **Working of a Contact and a Coil**

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- **If not, please refer to the relevant tutorials in this series from https://spoken-tutorial.org**

- **When it is given logic 1 it outputs logic 1 immediately**

Delayed turn off timer

- **When it is given logic 1 it outputs logic 1 immediately**

- **When given logic 0 it takes at least the delay time provided to output logic 0**

Delayed turn off timer

- **Its variable counts up from zero in the units of PLC scan cycle**

- **The files used in this tutorial are available in the Code Files link on this tutorial page**

Code File - timeroff.ld

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- **Please download and extract them**

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- **Make a copy and then use them while practising**

Summary

- **Delayed turn ON (TON) timer**
- **Delayed turn OFF (TOFF) timer**

Assignment

- **Draw a ladder diagram to blink an LED**
- **Hint: Use both delayed turn ON and delayed turn OFF timers**

About the Spoken Tutorial Project

- **Watch the video available at**
  https://spoken-tutorial.org
  /What_is_a_Spoken_Tutorial

- **It summarises the Spoken Tutorial project**

- **If you do not have good bandwidth, you can download and watch it**

Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- **Conducts workshops using spoken tutorials**
- **Gives certificates to those who pass an online test**
- **For more details, please write to contact@spoken-tutorial.org**

Forum questions

- **Questions in THIS Spoken Tutorial?**
- **Visit** **https://forums.spoken-tutorial.org/**
- **Choose the minute and second where you have the question**
- **Explain your question briefly**
- **The Spoken Tutorial project will ensure an answer**

You will have to register to ask questions

Forum for specific questions

- **Questions not related to the Spoken Tutorial?**

- **Do you have general / technical questions on the Software?**

- **Please visit the FOSSEE Forum**

  https://forums.fossee.in/

- **Choose the Software and post your question**

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THANK YOU!

For more Information, visit our website
https://fossee.in/