

# Timer usage demo



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# 1. General

The timer is used to perform the timing function. Each timer contains coils, contacts, and counting time value register. When the coil sounds (with sufficient power), the timer starts timing. If the timer's registered value reaches the preset value, the contacts activate, and other contacts (NO contacts) are closed, while b contacts (NC contacts) disconnect. If the coil power shuts off (insufficient power), the contacts will restore to their initial states and the value will automatically be cleared. Some timers have the feature of accumulation and shut-down. After a restart, it will even keep the value before the shut--down.

# 2. Timer list

Timers have different timing steps. For instance, 1ms, 10ms, 100ms, and etc. See the following:

Type	100 ms (0.1---3276.7 S)	100ms (0.01---327.67 S)	10 ms (0.01---327.67S)	1 ms [power-off saving] (0.001~32.767s)	100 ms [power-off saving] (0.1---3276.7S)
1s	T0-T31 32 Point	T32-T62 31 Point	T32-T62 31 Point	T63 1 Point	/
2n/3v	T0~T199 (T192~T199 is for sub-project)	/	T200-T245 46 Point	T246-T249 4 Point Keeping the interrupt	T250-T255 6 Point Holding

# 3. Program

This is a simple demo for timer in LX3V PLC. In this demo, Y0 will be ON for 3min and OFF for 1min, when M0 set ON.

