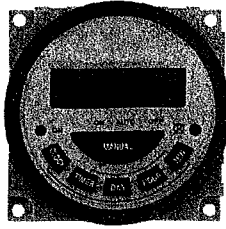


# GENERAL INFORMATION

## PROGRAMMING THE TIMER#1

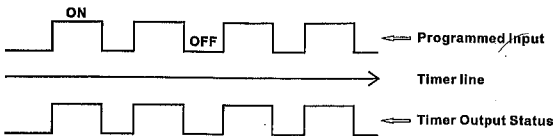
This Panel-Mount Digital Timer series can be operated in 4 separate power supplies, ranges from 240Vac to 12Vdc. Output format can be produced to be Volt-free or voltaic-output.



Batteries of Lithium 1V2/40Mah or rechargeable V60D available for option which is for retaining the programming during Timer's operating power disconnected.

### GENERAL INFORMATION

This Digital Timer is accurate to the minute, designed with either 6 or 8 ON/OFF(event) per day Graphic description, as below:



Also, it provides 15-combination of Daily-Programs which can lead great convenience to users upon choosing the required days in a week for operation of the timer.

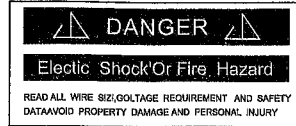
1.	MO	TU	WE	TH	FR	SA	SU
2.	MO	TU	WE	TH	FR	SA	
3.	MO	TU	WE	TH	FR		
4.						SA	SU
5.	MO		WE		FR		
6.		TU		TH		SA	
7.	MO	TU	WE				
8.				TH	FR	SA	
9.	MO						
10.		TU					
11.			WE				
12.				TH			
13.					FR		
14.						SA	
15.							SU

### BASIC FEATURES:

- Panel mounted
- Advanced pre-setting one week before
- Digital electronic timer switch with daily & weekly programs
- Repeat programs with 16 on/off setting and manual override
- Lithium battery power reserve when electric supply cut off

### TECHNICAL DATA:

- Voltage rating:  $\leq 48\text{VDC/AC}$ ,  $110\text{VAC} \pm 15\%$ ,  $220\text{VAC} \pm 15\%$
- Error Correction: 1 sec/day(25°C)
- ON/OFF operation : 16 ON/OFF
- Power consumption:  $\leq 2\text{W}$
- Service life: Mechanical  $10^7$ , Electrical  $10^7$
- Display: LCD
- Minimum interval: 1 minute
- Weight: approx 66g
- Power reserve: 60 day
- Ambient temperature:  $-10 \sim +40^\circ\text{C}$
- Ambient humidity: 35~85%RH
- Battery life: 3 years (Lithium battery)



### PROGRAMMING THE TIMER

#### A. Functional description to buttons on panel

- TIMER:** programs review & setting programs
  - MANUAL:** To select "ON, AUTO or OFF"
  - CLOCK:** To adjust current DAY and TIME
  - DAY:** To adjust day or week
  - HOUR:** To adjust hour
  - MIN:** To adjust minute
  - ⊗:** Reset Timer's setting
  - LED:** To indicate ON/OFF status
- Press ⊗ button to reset Timer before programming

#### B. Adjusting CLOCK

Press and hold **CLOCK** and the press **DAY** key, **HOUR** key, **MIN** key respectively to adjust clock of Timer to accurate **DATE, HOUR, MINUTE**. 24-Hour-Format LCD screen shall indicate 0:00~23:59

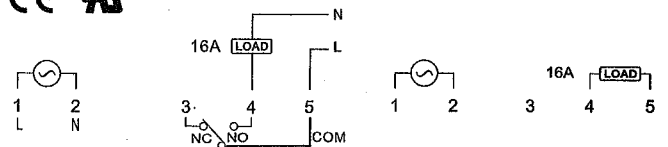
#### C. Start to programming the TIMER

- Press **TIMER** key. LCD screen shall show  $1^{\text{ON}} \text{ --:--:}$
- Press **DAY** key to select any of 15-combination of Daily-Programs to your application demand. Continuing to press **DAY** key, LCD shall alternating indicate among 15-combinations.
- Press **HOUR, MIN** respectively to set desired Hour and Minute for  $1^{\text{ON}}$
- After finished setting of  $1^{\text{ON}}$ , press **TIMER** key again,  $1^{\text{OFF}} \text{ --:--:}$  shall appear on LCD screen.
- Press **DAY** key to select any of 15-combination of Daily-Programs to your application demand continuing to press **DAY** key, LCD shall alternating indicate among 15-combinations.

Day-combination chosen in each of ON/OFF program-period must be consistent.

- Repeat Programming procedure "3" to set desired Hour & Minute for  $1^{\text{OFF}}$
- When finished setting  $1^{\text{ON}}$  &  $1^{\text{OFF}}$ , press **TIMER**,  $2^{\text{ON}} \text{ --:--:}$  shall appear on LCD screen.
- Repeat programming procedure above to complete rest of ON/OFF program-period(event).
- When finished program-setting (event), press **CLOCK**, Timer shall start to execute programs.

1.100-130VAC, 2.200-250VAC, 3.24VDC/AC, 4.12VDC/AC



TM-619-1 ~ 4 Vol tFreeoutput

TM-619-1H-1 ~ 4 Vol t output

