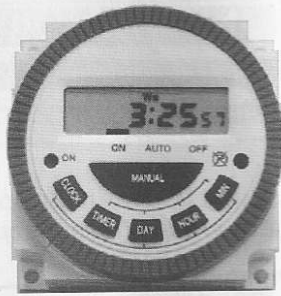


GENERAL INFORMATION

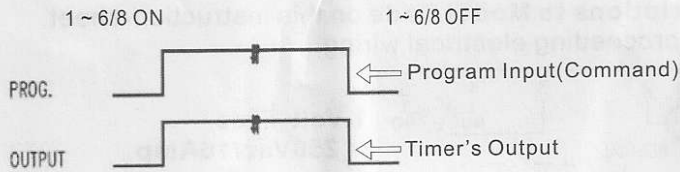
This Panel-Mount Digital Timer series can be produced for wide range of power supply sources, from 240Vac to 12Vdc, output format can be produced with either volt-free or volt-output.

Optional, either replaceable Lithium CR2032 or rechargeable V80H are equipped with Timer to provide programming memory backup.



TM-619-series

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



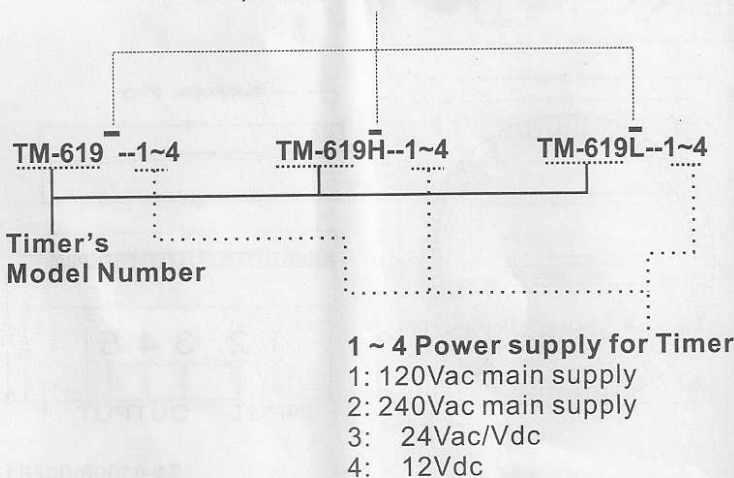
Also, it provides 15-combination of Daily-Programs which can leads great convenience to users upon choosing desired DAYS of WEEK.

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

DESCRIPTIONS TO MODEL CODE

Advise factory upon ordering, for requirements of
6 or 8 ON/OFF
12H or 24H clock format
Lithium CR2032 or Rechargeable V80H

- : Volt-Free contact, 250Vac/16Amp Rating
- H** : Volt Output, 250Vac/20Amp Rating
- L** : Volt Output, 250Vac/16Amp Rating



PROGRAMMING THE TIMER #1

A. Functional description to buttons on panel

1. **TIMER** : Programs review & setting programs
2. **MANUAL** : To select "ON, AUTO or OFF"
3. **CLOCK** : To adjust current DAY and TIME
4. **Day** : To adjust day of week
5. **HOUR** : To adjust Hour
6. **MIN** : To adjust minute
7. **Ⓟ** : Reset Timer's setting
8. **LED** : To indicate ON/OFF status

Press **Ⓟ** button to reset Timer before programming

B. Adjusting CLOCK

Press and hold **CLOCK** and then press **DAY** key, **HOUR** key, **MIN** key respectively to adjust clock of Timer to accurate **DATE, HOUR, MINUTE**. In 12-Hour-Format, **PM & AM** shall appear on LCD screen. In 24-Hour-Format LCD screen shall indicate 0:00 ~23:59

C. Start to programming the TIMER

1. Press **TIMER** key. LCD screen shall show 1^{ON} _ : _ : _ _
2. 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.
3. Press **HOUR** , **MIN** respectively to set desired Hour and Minute for **1^{ON}**
4. After finished setting of **1^{ON}**, Press **TIMER** key again, 1^{OFF} _ : _ : _ _ shall appear on LCD screen.
5. 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.

6. Repeat Programming procedure "3" to set desired Hour & Minute for **1^{OFF}**
 7. When finished setting **1^{ON}** & **1^{OFF}**, Press **TIMER**, 2^{ON} _ : _ : _ _ shall appear on LCD screen.
 8. Repeat programming procedure above to complete rest of ON/OFF program-period(event)
- 1^{ON} _ : _ : _ _ ⇒ 2^{OFF} _ : _ : _ _ ⇒ ●●●●●●●● 8^{OFF} _ : _ : _ _
- or just to the desired number of ON/OFF(event) setting for demand of practicable application.
- 1^{ON} _ : _ : _ _ ⇒ 1^{OFF} _ : _ : _ _ ⇒ 2^{ON} _ : _ : _ _ ●●●●●●●● 5^{OFF} _ : _ : _ _
9. When finished program-setting(event), press **CLOCK**, Timer shall start to execute programs.

D. To review programs

Keep to press **TIMER**, display on LCD screen shall alternating display among each of **6 or 8 ON/OFF**

