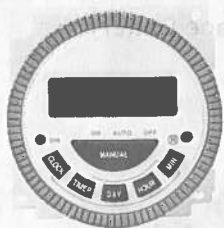


MULTIPURPOSE 7 DAYS DIGIAL PROGRAMMABLE TIMER

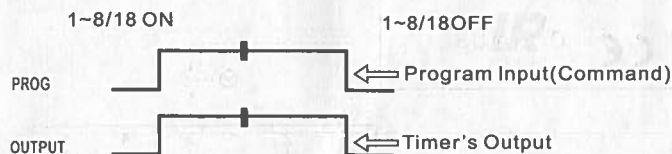


TM-619-series

TM-619E-series

GENERAL INFORMATION

This 7 DAYS 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 V40H are equipped with Timer to provide programming memory backup. This Digital Timer is accurate to the minute, designed with either **8 or 18 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	TU	WE	TH	FR	SA	
3.	MO	TU	WE	TH	FR		
4.						SA	SU
5.	MO	TU	WE		FR		
6.		TU		TH		SA	
7.	MO		WE				
8.				TH	FR	SA	
9.	MO						
10.		TU					
11.			WE				
12.				TH			
13.					FR		
14.						SA	
15.							SU

The 7 days 24hrs Programmable switch timer can automatically switch on and switch off various kinds of electric equipment at a preset time. It is widely used in 7 days programmable control of streetlight, neon light (sign), lamp, water heater, air conditioner, billboard, electric cooker, booster, sprayer, bottler, preheater, agriculture facilities and broadcasting equipment, also Ozone and gate operator etc.

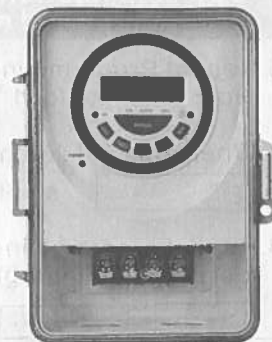
DESCRIPTIONS TO MODEL CODE

Advise factory upon ordering, for requirements of 8 or 18 ON/OFF
12H or 24H clock format
Lithium CR2032 or Rechargeable V80H

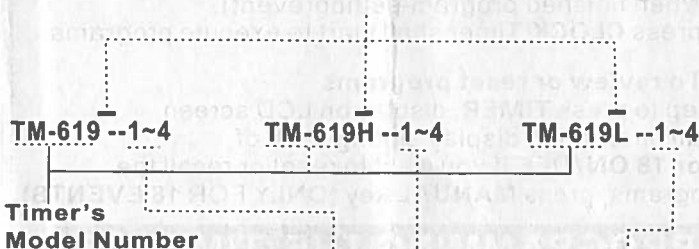
TM-6133H-DIN RAIL



TM-619W-Weatherproof



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



- 1 ~ 4 Power supply for Timer
- 1: 120Vac main supply
 - 2: 240Vac main supply
 - 3: 24Vac/Vdc
 - 4: 12Vac/Vdc

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", or cancel preset programs
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

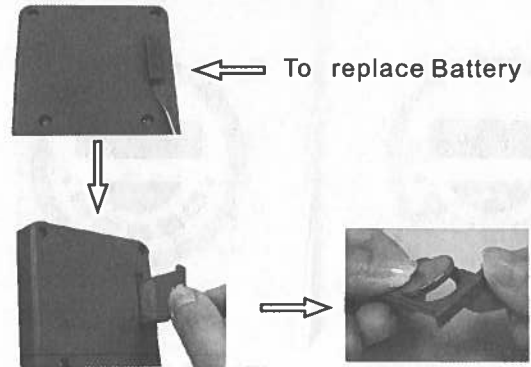
Press and hold **CLOCK** and then press **DAY** key, **HOUR** key, **MIN** key respectively to adjust clock of Timer to accurate DATE, HOUR, MINUTE. Press **CLOCK** key over 3 secs, PM&AM shall appear on LCD screen. In 24-Hour-Format LCD screen shall indicate 0:00~23:59

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.

HOW TO REPLACE BATTERIES

For Model with Lithium CR2032



Follow graphic description below & Refer to section of Descriptions to Model Code on this instruction-sheet upon proceeding electrical wiring.

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} - : - - - - ⇒ ●●●●●● 18^{OFF} - : - - - -

or just to the desired number of ON/OFF(event) setting for demand of practicable application.

1^{ON} - : - - - - ⇒ 1^{OFF} - : - - - - ⇒ 2^{ON} - : - - - - ●●●●●● 8^{OFF} - : - - - -

9. When finished program-setting(event), press **CLOCK**, Timer shall start to execute programs.

D. To review or reset programs

Keep to press **TIMER**, display on LCD screen shall alternating display among each of **8** or **18 ON/OFF**. If you want to reset or recall the programs, press **MANUAL** key (ONLY FOR 18 EVENTS).

PROGRAMMING THE TIMER #2

E. COUNTDOWN FUNCTION:

In clock mode, press **CLOCK** and **TIMER** together over 3 secs into **COUNTDOWN FUNCTION**, LCD screen shall Show **00:00:00** press and hold **CLOCK** and then press **HOUR** key or **MIN** key respectively to setting countdown working time, the setting range is from 0.00 ~ 23 : 59.

Press **MANUAL** key to start countdown, the timer is on status. press **TIMER** key to stop, the timer is off status. In countdown mode, press **CLOCK** and **TIMER** together over 3 secs to back clock mode.

F. AUTO TIME DEFLECTION CORRECTION, WEEKLY

In clock mode, press **MANUAL** and **TIMER** key into auto time deflection correction, LCD screen shall show **1 d - 00:00**

Press **DAY** key to adjust time deflection, the adjusting range is +/-30 secs, which means detailed adjusting deflection time in a week. **The system will automatically correct based on the time you just set.** press **CLOCK** key to back clock mode.

G. SLEEP MODE

In clock mode, press **DAY** and **HOUR** key over 3 secs, the system will be in **SLEEP**, LCD screen shall be shut down, which will be very helpful for saving **CR2032** battery usage life. The timer will be activated only press **⊗** key.

PROPOSED APPLICATION

DANGER

Electric Shock'Or Fire Hazard

READ ALL WIRE SIZE, VOLTAGE REQUIREMENT AND SAFETY DATA VOID PROPRITY DAMAGE AND PERSONAL INJURY

Out put terminal of Timer is produced with Flat-head Jack-Type socket to provide convenient electrical wiring upon mounting Timer on equipments.

Subject to output formats and formats of Contact Rating. there are 3 different styles in TM-619-series.

