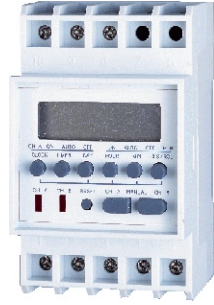


GENERAL INFORMATION

This Din-Rail **35 mm** Mount Digital Timer series can be produced for wide range of power supply sources, from 240Vac to 12 Vdc, output format is produced with volt-free contact.

Equipped with Lithium CR2032 to provide programming memory backup. (battery is irreplaceable)

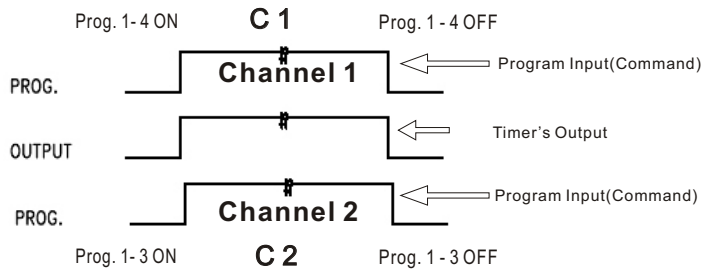


TM-812M-series

This Timer is accurate to the minute, is designed to **control two channels (two separate loads)** with one Timer.

Providing **4 ON/OFF(event)** in Channel-A(**C1**), **3 ON/OFF(event)** in Channel-B(**C2**) 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 requirement of **12H or 24H** clock format

TM-812M --1~4

Timer's Model Number

1 ~ 4 Power supply for Timer

- 1: 120Vac main supply
- 2: 240Vac main supply
- 3: 24Vac/Vdc
- 4: 12Vdc

PROGRAMMING THE TIMER #1

A. Functional description to buttons on panel

1. **TIMER** : Programs review & setting programs
2. **MANUAL CH A** : To select channel-1 "ON, AUTO or OFF"
3. **MANUAL CH B** : To select channel-2 "ON, AUTO or OFF"
4. **CLOCK** : To adjust current DAY and TIME
5. **DAY** : To adjust day of week
6. **HOUR** : To adjust Hour
7. **MIN** : To adjust minute
8. **RESET** : Reset Timer's setting
9. **LED(CH A & CH B)** : To indicate ON/OFF status in each channel.
10. **CLS/RCL** : To pending and resume any specific programmed ON/OFF period

~Press **RESET** before programming~

B. Adjusting CLOCK

Press and hold **CLOCK** and then press **DAY**, **HOUR** and **MIN** key respectively to adjust clock of Timer to accurate Day 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. Starts to programing the TIMER

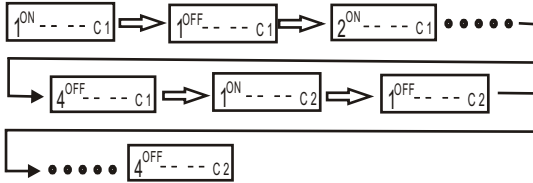
1. Press **TIMER**. LCD screen shall show $1^{ON} \text{ -- -- } C1$
2. Press **DAY** to select any of 15-combination of Daily-Programs to your application demand. Continuing to press **DAY** key, LCD shall alternating indicate among 15-combinations.
3. Press **HOUR**, **MIN** respectively to set desired Hour and Minute for $1^{ON} - C1$
4. Press **TIMER** key again, after finished setting of $1^{ON} - C1$, $1^{OFF} \text{ -- -- } C1$ shall be shown on LCD.
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. Press **HOUR**, **MIN** respectively to set desired Hour and Minute for $1^{OFF} - C1$
7. When finished setting $1^{OFF} - C1$, Press **TIMER**, $2^{ON} \text{ -- -- } C1$ shall appear on LCD screen.

PROGRAMMING THE TIMER #2

8. Repeat procedure described in 2 ~ 6 to complete programming the rest of ON/OFF program-period(event)



9. After finished programming the Timer , press **CLOCK** , Timer shall start to run programs.

D. To review programs

Keep to press **TIMER** key, LCD shall be alternating in displaying among each of ON/OFF (event) in both Channel.

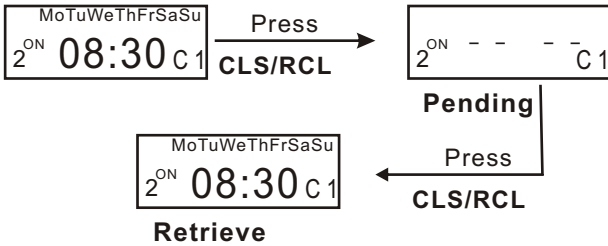
E. How to use OVERRIDE functions

This Timer is designed with one Override Function to extend its convenience in actual application. Override function is **effective only** when Timer is running under **AUTO mode**.

Pending & Retrieve OVERRIDE---- Users can choose to pending and retrieve any particular ON/OFF(event), in use of Timer. Operation procedure as follows;

1. Press **TIMER** key to select desired **ON** or **OFF**.
2. Press **CLS/RCL** key to pending **ON** or **OF** executing.
3. And press again **CLS/RCL** key, shall retrieve its original programmed **ON** or **OFF**.

Graphic example:(example made 2nd ON chosen)



PROPOSED APPLICATION



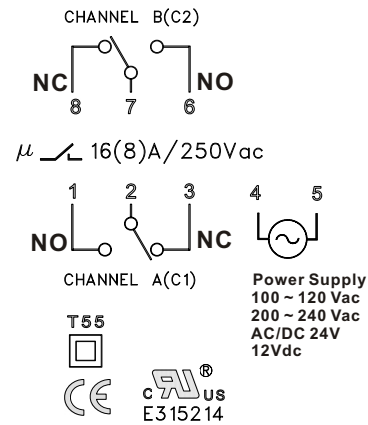
Output terminal of Timer is produced with screw-on type to provide convenient electrical wiring upon mounting Timer on equipments.

This Timer provides Volt-Free output contact only.

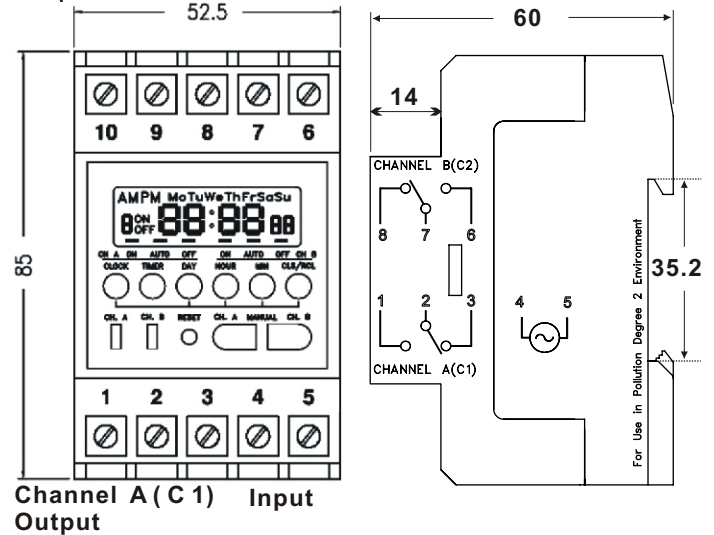
Remark:

1. For voltage and electrical RATING information, please refer to the markings on the back of timer.
2. See the back of timer for proper wire connections.
3. Timer may need to be connected to power source in order to set the program.

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



Channel B (C 2) Output



Channel A (C 1) Input Output