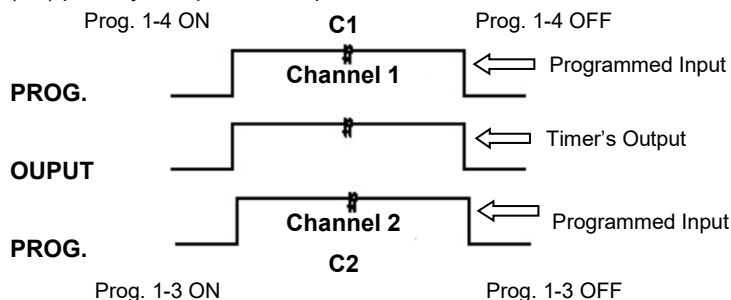# Din Rail Mounted 2 Channel Timer
TM-812

Description:

The TM-812 is a single channel Din Rail mount timer and is 230 Vac powered with a volt free output. Other supply options are available to order.

This digital timer is accurate to the minute and is designed to control two channels (two separate loads) with one Timer.
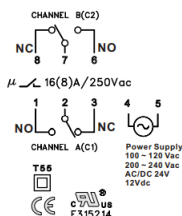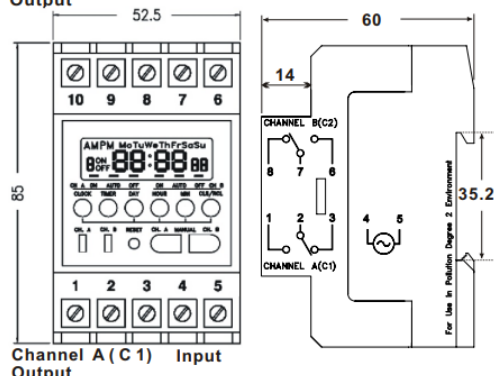
Providing 4 ON/OFF in Channel-A (C1), 3 ON/OFF in Channel-B (C2) per day. Graphic Description:

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

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

Order Code:
TM-6331   Surface Mounted Timer

Programming the Timer:

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 the week
6. **HOUR:** To adjust hour
7. **MIN:** To adjust minute
8. **RESET:** Reset timer's setting
9. **LED:** 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.*

Adjusting CLOCK

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

Start Programming the Timer:

1. Press **TIMER** key. LCD screen shall show 1^ON – – – – C1

2. Press **DAY** key to select any of the 15-combinations of daily-programs to your application demand. Continuing to press the **DAY** key means the LCD shall alternate among 15-combinations.

3. Press **HOUR** and **MIN** respectively to set desired Hour and Minute for **1^ON - C1**.

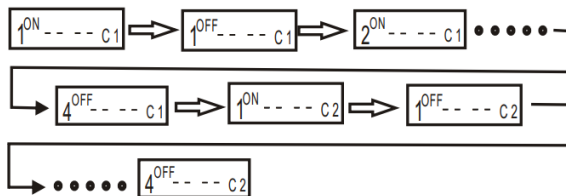4. After finished setting 1^{ON} **- C1,** Press TIMER key again and $\boxed{1^{OFF}\text{-}\text{-}\text{-}\text{-}\text{ }_{C1}}$ shall appear on the LCD screen.

5. Press **DAY** key to select any of the 15-combinations of daily-programs to your application demand. Continuing to press the **DAY** key means that the LCD shall alternate among 15-combinations. Day-combination chosen in each ON/OFF program-period must be consistent.

6. Press HOUR and MIN respectively to set desired Hour and Minute for 1^{OFF} **- C1.**

7. When finished setting 1^{OFF} **- C1**, press **TIMER**, $\boxed{2^{ON}\text{-}\text{-}\text{-}\text{-}\text{ }_{C1}}$ shall appear on LCD screen.

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

$$\boxed{1^{ON}\text{-}\text{-}\text{-}\text{-}_{C1}} \Rightarrow \boxed{1^{OFF}\text{-}\text{-}\text{-}\text{-}_{C1}} \Rightarrow \boxed{2^{ON}\text{-}\text{-}\text{-}\text{-}_{C1}} \bullet\bullet\bullet\bullet\bullet$$

$$\boxed{4^{OFF}\text{-}\text{-}\text{-}\text{-}_{C1}} \Rightarrow \boxed{1^{ON}\text{-}\text{-}\text{-}\text{-}_{C2}} \Rightarrow \boxed{1^{OFF}\text{-}\text{-}\text{-}\text{-}_{C2}}$$

$$\bullet\bullet\bullet\bullet\bullet \boxed{4^{OFF}\text{-}\text{-}\text{-}\text{-}_{C2}}$$
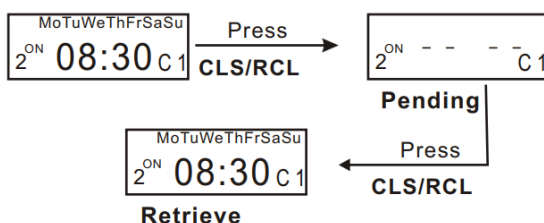
9. When finished program-setting, press **CLOCK**, Timer shall start to run programs.

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 **OFF** executing.
3. And press again **CLS/RCL** key, shall retrieve its original programmed **ON** or **OFF**.

Graphic example: (example made 2nd ON chosen)