

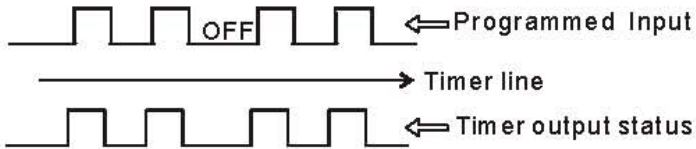
GENERAL INFORMATION

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



Unit is supplied with a V80H Battery which is for retaining the programming during Timer's operating power disconnected.

This Digital Timer is accurate to the minute, designed with either up to 17 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 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	

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. The 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 17-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 1ON

4. After finished setting of 1ON, Press TIMER key again, 1OFF--:-- shall appear on LCD screen.

- 5.Press DAY key to select any of 17-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 1OFF

- 7.When finished setting 1ON&1OFF,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 programs

PROGRAMMING THE TIMER #2

E. How to use OVERRIDE functions

-programming-mode Timer is designed with 2 Override function, so as to widen its usage upon practicable application. Override function is effective only when Timer is running under AUTO mode.

Temporary-Override---Follow procedure below:

Condition-1 When Timer's output status is "ON"


Pressing **MANUAL** key, to move indicator from "AUTO" to "OFF", Timer output shall turn to "OFF" status, programs override.

Pressing **MANUAL** again to switch Timer status to "AUTO", Timer's output shall continue maintaining "OFF". Timer shall resume its automatic operation when next program(event) calls for "ON" (With next opposite set point).

Condition-2 When Timer's output status is "OFF"

Pressing **MANUAL** key, to move indicator from "AUTO" to "ON" timer output shall turn to "ON" status, programs override

Pressing **MANUAL** again to switch Timer status to "AUTO", Timer's output shall continue maintaining "ON". Timer shall resume its automatic operation when next program(event)calls for "OFF".
(Until next opposite set point)


Random-Start-Up Override-Press and hold DAY key and then press **MIN** key . There shall be a symbol  shows on left corner of LCD screen, to indicate this Override in executing.

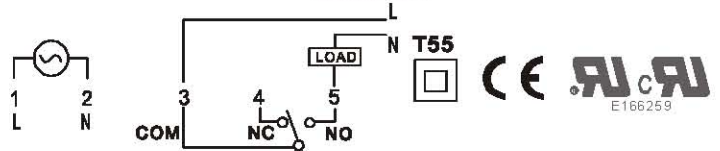
When this Override is being executed, the original programs will be stopped, and once every 10 to120 minutes Timers shall automatically turn its output to "ON" status.

In practicable application which is applied to home-use, this Override function also called Anti-Burglar Override.

Once again to press and hold **DAY** key .and then press **MIN** key shall terminate this Override.

Input voltage
1.100V-130Vac
2.200V-250Vac
3.24Vac/dc
4.12Vac/dc


16(8)A/250V~
20A/125Vac
8A FLA, 250Vac
0.5HP 250/125Vac
16A/30VDC--

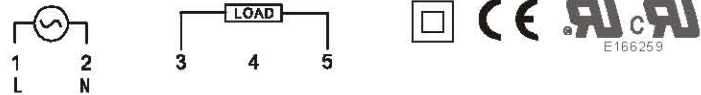


2. - 1~4 Volt output



Input voltage
1.100V-130Vac
2.200V-250Vac
3.24Vac/dc
4.12Vac/dc


16(8)A/250V~
20A/125Vac
8A FLA, 250Vac
0.5HP 250/125Vac
16A/30VDC--

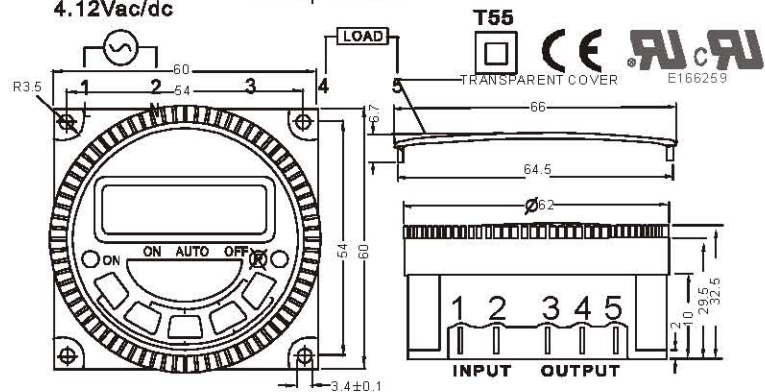


3. - 1~4 Volt output

4. CONTACTS: 1 & 2 voltage input / 3 = COM, 4= NC, 5=NO

Input voltage
1.100V-130Vac
2.200V-250Vac
3.24Vac/dc
4.12Vac/dc


30Amp 250Vac 50/60Hz
1HP 125Vac, 2HP 250Vac
20Amp 30VDC--



PROPOSED APPLICATION



Output terminal of Timer is Produced with Flat-head Jack-Type socket to provide Convenient electrical wiring upon mounting Timer on equipment.

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

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.

1. - 1~4 Volt Free output