

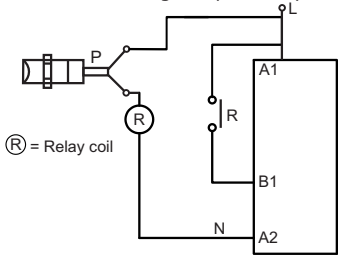


MULTI-FUNCTION TIMER RELAY

**RS Stock No's 896-6863
896-6860**

▲ CAUTIONS:

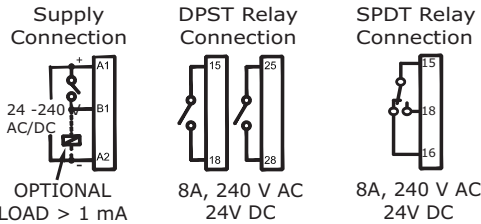
1. Always follow instructions stated in this product.
2. Before installation, check to ensure that the specifications agree with the intended application.
3. Installation to be done by skilled electrician.
4. Automation & Control devices must be properly installed so that they are protected against any risk of involuntary actuations.
5. Using of AC 2 wire Type Proximity Sensor: Please add input relay to prevent false signal sensing due to current leakage of proximity sensor as below.



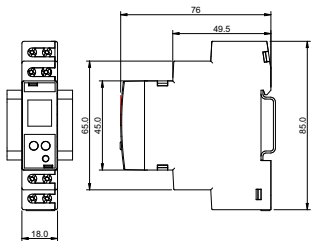
Ⓜ = Relay coil

Use relay coil Voltage of the same Voltage using for Proximity sensor. [Relay coil current should not exceed the maximum current Specified by Proximity sensor.]

CONNECTIONS DIAGRAM :



OVERALL DIMENSIONS:



ALL DIMENSIONS ARE IN mm

KEY FUNCTIONS:

1. Used as ENTER key to jump to next setting & save the settings edited.
 2. RUN MODE RESTART: Press SET key continuous for >3 sec during RUN Mode to restart the timing operation.
 3. Press SET key once to edit PRESET time in RUN mode
1. Used to edit the modes & timing ranges.
 2. Keypad LOCK/UN-LOCK: Press ADJ key for >3 sec during RUN time mode.

1. Used to enter in program edit mode after power ON.

Programming Instructions

Apply power & hold the set key for >3 s.

OR

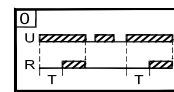
Press both ADJ & SET key for >3 s after power ON. Now follow the steps given below;

KEY DISPLAY RESULT

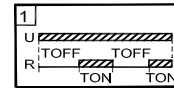
- Press ADJ Key to select desired function (e. g. F)
- Confirms function then range indicator blinks
- Press ADJ Key to select range (e. g. HM range 'HM')
- Confirms range selection. 1st digit of preset time blinks. (For modes '1', '2' & 'G' two preset times 'On' & 'Off' to be set)
- Press ADJ key to adjust desired preset time digit (e. g. from 5 to 8)
- Press Set to confirm 1st digit selection, now 2nd digit blinks
- Change with ADJ Key (e. G. from 3 to 0)
- Confirms 2nd digit selection, now 3rd digit of preset Time blinks.
- Change with ADJ Key (e. g. from 9 to 6)
- Now UP/DOWN Indicator blinks
- Change with ADJ Key (e. g. from DOWN to UP)
- Confirms counting mode. Program Over. Timer starts working normally.

Timing Diagrams of Functions:

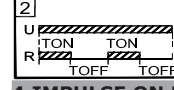
1.ON DELAY [0]



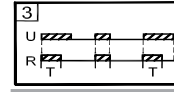
2.CYCLIC OFF/ON {OFF Start, (Sym, Asym)} [1]



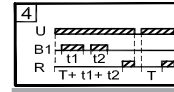
3.CYCLIC ON/OFF {ON start, (Sym, Asym)} [2]



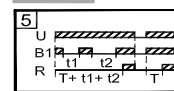
4.IMPULSE ON ENERGIZING [3]



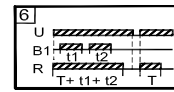
5.ACUMULATIVE DELAY ON SIGNAL [4]



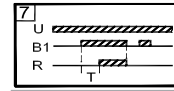
6.ACUMULATIVE DELAY ON INVERTED SIGNAL [5]



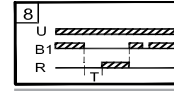
7.ACUMULATIVE IMPULSE ON SIGNAL [6]



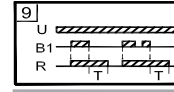
8.SIGNAL ON DELAY [7]



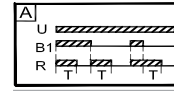
9.INVERTED SIGNAL ON DELAY [8]



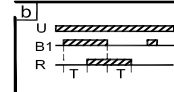
10.SIGNAL OFF DELAY [9]



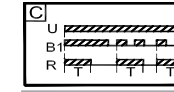
11.IMPULSE ON/OFF [A]



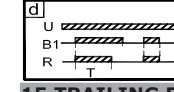
12.SIGNAL OFF/ON- TYPE 1 [B]



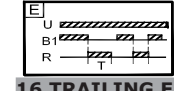
13.LEADING EDGE IMPULSE1 [X]



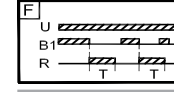
14.LEADING EDGE IMPULSE 2 [Δ]



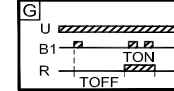
15.TRAILING EDGE IMPULSE 1 [E]



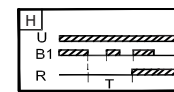
16.TRAILING EDGE IMPULSE 2 [Φ]



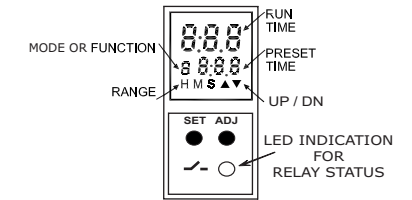
17.DELAYED IMPULSE [Γ]



18. INVERTED SIGNAL ON DELAY-TYPE 2 [H]



FRONT FACIA:



1. **PRESET TIME:** The Timer Duration selected by the user.
2. **RUN TIME:** In Down counting (▼) mode it indicates the remaining while in Up counting (▲) mode indicates the elapsed time.
3. **Default Mode:** Down counting (▼)
4. Up/Down (▲▼) blinks during the Timer Duration (T)

TERMINAL DETAILS:

	0,6 N.m (6 Lb.In) Terminal screw - M3
	1 x 0,5...4 mm ² Stranded Wire
AWG	1 x 22 to 10

Wire Strip Length = 6.5 mm. Use Cu wire of 75°C only.

AWG	CURRENT (A)
14	8
16	6.4
18	4.8
20	3.2
22	1.6

The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application.