RS PRO

CE RoHS ☑

MULTI FUNCTION TIME RELAY

RS Stock No's: 896-6854
896-6866

⚠ 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.]

OVERALL DIMENSIONS

76
49.5
65.0
45.0
85.0
18.0

ALL DIMENSIONS ARE IN mm

TERMINAL DETAILS:

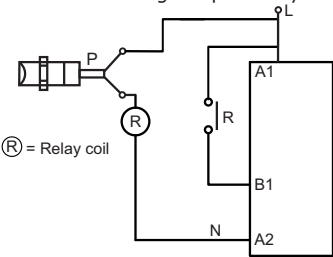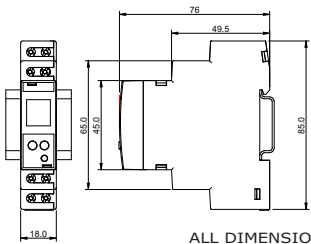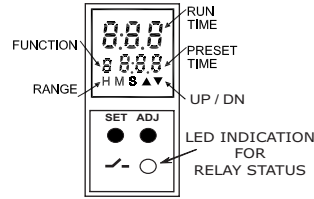|	
Ø3.5....4.0mm	0.6 N.m (6 Lb.in) Terminal screw - M3
	1 x 0.5...4 mm² Stranded Wire
AWG	1 x 22 to 10

FEATURES:

- 8 functions
- Wide operating voltage : 24 to 240 VAC / DC
- Multi Range : 0.1 s to 999 h
- Up/Down counting modes
- 3Digit LCD for preset Timer and Run Time
- Clear LED indication of Relay status
- Key lock Function
- Conforms to IEC standards of EMI/EMC
- Compact size (17.5 mm single width module)

RUN TIME
FUNCTION
PRESET TIME
RANGE
UP / DN
H M S ▲▼
SET ADJ
LED INDICATION FOR RELAY STATUS

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 it indicates the elapsed time.
3. Up/Down (▲▼) blinks during the .Timer Duration(T).

THE KEYS:

KEY	OPERATION RESULT
SET	Apply Power & Hold Program Mode the key for >3 sec.
	OR
ADJ + SET	Press both >3 sec program after power on
SET	Press in program mode
ADJ	Press in program mode Edit blinking parameter
SET	Press for>3 sec. During Timer operation Reset Timer
ADJ	Press for>3 sec. during Timer operation Select, Edit parameter Lock/Unlock Preset Time
SET	Press during timer operation Edit Preset Time during Timer operation

PROGRAMMING INSTRUCTIONS:

Apply power & hold the SET key for >3 sec.OR press both ADJ & SET key for >3 sec.After power ON.Now follow the steps given below

KEY	DISPLAY	RESULT
ADJ	F 5:39 HM ▼	Press ADJ Key to select desired function (e.g F)
SET	F 5:39 HM ▼	Confirms function then range indicator blinks
ADJ	F 5:39 HM ▼	Press ADJ Key to select range (e,g.HM range 'HM')

KEY	DISPLAY	RESULT
SET	F 5:39 HM ▼	Confirms range selection. 1st digit of preset time blinks.(For modes 'B' & 'C' two preset times 'on' & 'off' to be set)
ADJ	F 8:39 HM ▼	Press ADJ key to adjust desired preset time digit (e.g. from 5 to 8)
SET	F 8:39 HM ▼	Press Set to confirm 1st digit selection now 2nd digit blinks
ADJ	F 8:09 HM ▼	Change with ADJ Key (e, g, from3 to 0)
SET	F 8:09 HM ▼	Confirms 2nd digit selection ,now 3rd digit of preset Timeb links.
ADJ	F 8:06 HM ▼	Change with ADJ Key (e, g, from9 to 6)
SET	F 8:06 HM ▼	Now UP/DOWN Indicator blinks
ADJ	F 8:06 HM ▼	Change with ADJ Key (e, g,from DOWN to UP)
SET	00.0 F 8:06 HM ▼	Confirms counting mode . Program Over. Timer starts working normally.

TIMING DIAGRAMS:

1. ON DELAY [A]

P : A1- A2
S : B1
R :
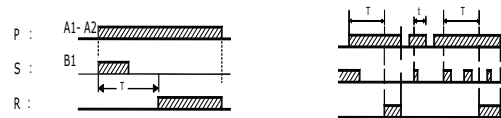
2. CYCLIC OFF/ ON {OFF START (Sym,Asym)} [B]

P : A1-A2
S : B1
R :
T OFF T ON T OFF T ON
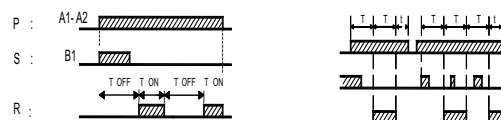
3. CYCLIC ON/OFF {ON START (Sym, Asym)} [C]

P : A1-A2
S : B1
R :
T ON T OFF T ON T OFF

4. SIGNAL ON/OFF [d]

P : A1-A2
S : B1
R :
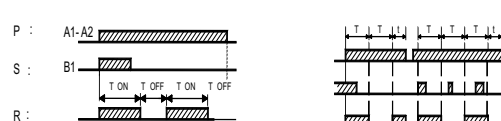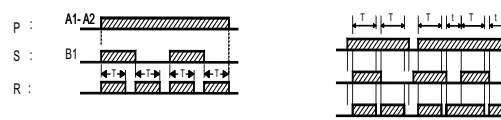
T : PRESET TIME T : PERIOD < T   P : POWERS : SIGNAL R : RELAY

5. SIGNAL OFF DELAY [E]
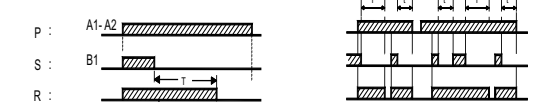
P : A1-A2
S : B1
R :

6. INTERVAL [F]

P : A1-A2
S : B1
R :

7. SIGNAL OFF/ON [G]

P : A1-A2
S : B1
R :

8. ONE SHOT OUTPUT [H]

P : A1-A2
S : B1
R :
T t 1 SEC.
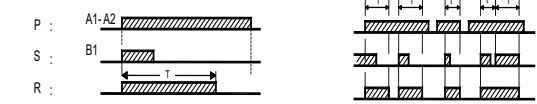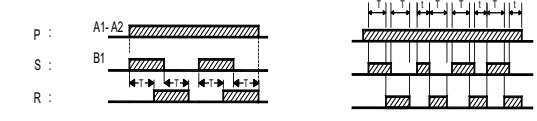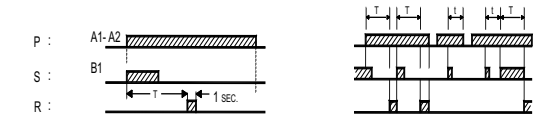
T = PRESET TIME. t = PERIOD < T
P = POWER. S = SIGNAL. R = RELAY
T ON = Preset ON time, T OFF = Preset OFF time

CONNECTIONS:

Supply Connection
+ A1
B1
24 -240 V AC/DC
A2
OPTIONAL LOAD > 1 mA

DPST Relay Connection
15 25
18 28
8A, 240 VAC/24 VDC

SPDT Relay Connection
15
18
16
8A, 240 VAC 24 VDC
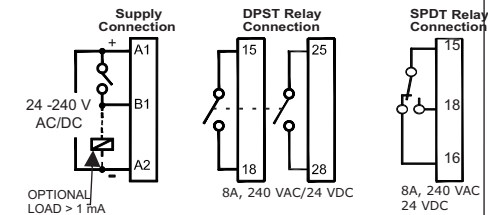
Note:

Product innovation being a continuous process. We reserve the right to alter specification without any prior notice.

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