

OPERATING INSTRUCTIONS

Cat. No. ETR-S45DEI



Please retain these instructions and review them prior to using the unit:

Warning:

1. This unit is panel mounted type with its output terminals getting connected to the host equipment. Such equipment shall also comply with basic EMI/EMC and safety requirements like BS EN 61326-1 and BS EN 61010 respectively.

2. To avoid electric shock, power supply of the unit should be kept off while wiring. Wiring should be done strictly as per the terminal layout, given in the manual.

3. Use lugged terminals to accept M3 (No. 6) screws.

4. The unit does not have a built-in fuse. External fuse with a rating of 275 VAC/ 1A is recommended.

Caution:

- This unit is not intended for outdoor use.
- The power connection cable must have a cross-section of at least 18 AWG (1mm²) and insulation capacity of at least 1.5kV.
- The output connections must not be loaded beyond the specified values/range.

4. Avoid inflow of dust and contact of conductive material with the internal circuitry of the unit.

5. The unit must not operate in presence of heating sources, caustic vapors, oil, steam, vibration or impact etc.

6. Clean the equipment with a clean soft cloth. Do not use any organic solvents like Isopropyl alcohol. Care must be taken to avoid entry of water into the circuitry through the ventilation holes.

SPECIFICATIONS

Supply voltage

20 to 240 VAC, 12 to 240 VDC.
(AC: 50/60 Hz)
(Supply Tolerance: 85% to 110%)

Output contact

DPDT (2 Changeover)

Delay modes

ON Delay / Interval
(selectable by DIP switches).

Time ranges

1 / 3 / 10 / 30 sec / min / hr
(selectable by DIP switches).

Relay rating

5A @ 250 VAC/24 VDC, resistive

Power Consumption

2 VA max.

Accuracy

Setting: $\pm 5\%$ of full scale.
Repeat: $\pm 0.5\%$ or 50 msec
(Whichever is greater).

LED indication

Power ON, Relay ON.

Reset

On interruption of power.

Reset time

Less than 100 msec.

Housing

Flame retardant plastic.

Humidity (Non-condensing)

95% RH.

Temperature

Operating: 0 to +50°C (32 to 122°F)
Storage: -5 to +50°C (23 to 122°F)

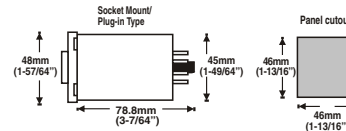
Mounting

Panel/Socket Mounting

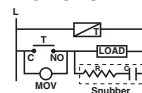
Weight

100g (3.5 oz.)

PANEL DIMENSIONS



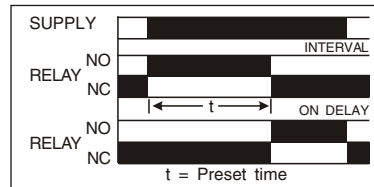
LOAD CONNECTIONS



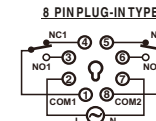
NOTE:

- Snubber Part No.: APRC - 01.
 - MOV Part No.: AP-MOV - 03.
- Use snubber as shown above to increase the life of internal relay.

OPERATING MODES



LOAD CONNECTIONS



MODE AND RANGE SELECTION

Dip switch settings for time range selection

RANGE	SW 1	SW 2	SW 3	SW 4
1 SEC	OFF	OFF	OFF	OFF
3 SEC	OFF	ON	OFF	OFF
10 SEC	ON	OFF	OFF	OFF
30 SEC	ON	ON	OFF	OFF
1 MIN	OFF	OFF	OFF	ON
3 MIN	OFF	ON	OFF	ON
10 MIN	ON	OFF	OFF	ON
30 MIN	ON	ON	OFF	ON
1 HR	OFF	OFF	ON	OFF/ON
3 HR	OFF	ON	ON	OFF/ON
10 HR	ON	OFF	ON	OFF/ON
30 HR	ON	ON	ON	OFF/ON

Dip switch settings for mode selection

MODE	SW 5
ON DELAY	OFF
INTERVAL	ON

Switch setting example:



c3controls®

PO Box 496
Beaver, PA 15009
800.560.8560
www.c3controls.com

Note: Specifications subject to change without notice. Refer to website for product updates.