

## OPERATING INSTRUCTIONS

### Cat. No. ETR-D22SC



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

#### Warning:

- The Equipment is built-in type with Class II construction and is protected by Reinforced Insulation. Terminals are a part of the front panel and are protected by means of finger guards. Finger guards are not to be removed during wiring, installation, operation or maintenance.
- The power should be turned off while wiring and maintenance to prevent the risk of electric shock. Do not touch any terminals when the power is ON.
- Wiring shall be done strictly according to the terminal layout with shortest Connections.
- Fuse protection: The equipment does not have built-in fuse. External fuse of rating 275V DC/1 A 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 (1mm<sup>2</sup>) and insulation capacity of at least 1.5kV. Use lugged terminals to accept M3(No.6) screws.
- The output connections must not be loaded beyond the specified Values / range.

- Avoid inflow of dust and contact of Conductive material with the internal circuitry of the unit.
- Clean the equipment with a clean, soft cloth. Do not use any organic solvents like Isopropyl alcohol for cleaning.

## SPECIFICATIONS

### Supply voltage

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

### Output contact

2 C/O (DPDT)

### Modes

Cyclic ON first or OFF first

### Time ranges

1 / 10 sec / min / hr for both ON & OFF time

### Relay rating

5A @ 230V AC/24V DC, resistive

### Power Consumption

2 VA max.

### Accuracy

Setting : ±5% of F.S.  
Repeat : ±0.5% or 50 ms

### LED indication

Power ON, Relay ON.

### Reset

On interruption of power ;  
Reset time < 100 ms

### Housing

Flame retardant plastic.

### Humidity (Non-condensing)

95% RH.

### Temperature

Operating : 0 to 50°C  
Storage : -5 to 50°C

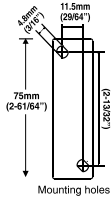
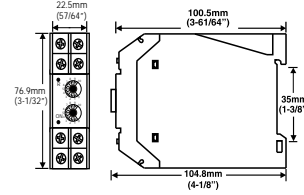
### Mounting

DIN rail / Screw mounting.

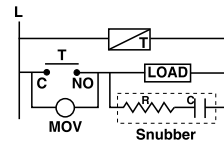
### Weight

110gms

## PANEL DIMENSIONS

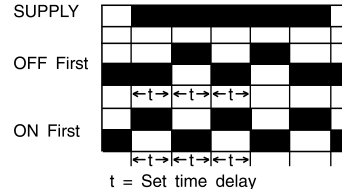


## LOAD CONNECTIONS

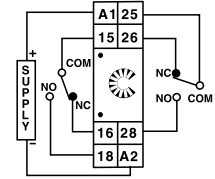


**NOTE :** 1) Snubber Part No. : APRC - 01.  
2) MOV Part No. : AP-MOV - 03.  
Use snubber as shown above to increase the life of internal relay.

## OPERATING MODES



## TERMINAL CONNECTIONS



## MODE AND RANGE SELECTION

### Dip switch settings for time range selection

RANGE	OFF TIME		ON TIME	
	SW 1	SW 2	SW 6	SW 7
1 SEC	OFF	OFF	OFF	OFF
1 MIN	ON	OFF	ON	OFF
1 HR	OFF	ON	OFF	ON

### Dip switch settings for mode selection

MODE	SW 4	SW 5
ON First	OFF	ON
OFF First	ON	OFF

### Dip switch settings for multiplier selection

MULTIPLIER	SW 3	SW 8
X 1	ON	ON
X 10	OFF	OFF

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P O Box 496  
Beaver, PA 15009  
800.560.8560  
www.c3controls.com

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

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