

## OPERATING INSTRUCTIONS

### Cat. No. ETR-D22DEI



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

### ⚠ Warning:

1. 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.
2. 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.
3. Wiring shall be done strictly according to the terminal layout with shortest Connections.
4. Fuse protection: The equipment does not have built-in fuse. External fuse of rating 275V DC/1 A is recommended.

### ⚠ Caution :

1. This unit is not intended for outdoor use.
2. 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 rugged terminal to accept M3 (No.6) screws.
3. 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. 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

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 @ 250V AC/24V DC, 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 :

Storage :

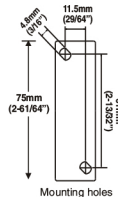
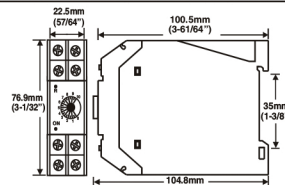
### Mounting

DIN rail / Screw mounting.

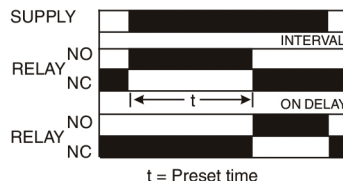
### Weight

130g (4.6 oz.)

## PANEL DIMENSIONS

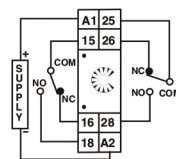


## OPERATING MODES



t = Preset time

## TERMINAL 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	ON	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®**

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

Operating/1104ETR-D22DEI-30H-2CMV1 /  
OP353-V01-NS144