## Features :

- **3 digits, 7 segment LED single display**
- **TC (J, K) input**
- **ON - OFF control**
- **Single set point**
- **°C/°F selectable**
- **Control output: Relay**
- **Short depth**

**72 x 72mm**

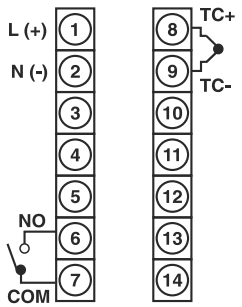
**96 x 96mm**

## Technical specifications

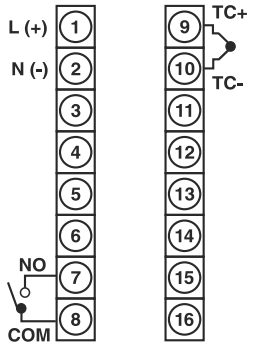
| | |
|---|---|
| Display | 3 digits, 7 Segment LED single display |
| Height of display | 13.5 mm |
| LED indication | R: Control output ON |
| Inputs | Thermocouple (J, K) |
| Resolution | Fixed 1° |
| Indication accuracy | 0.25% of F.S ±1 (20 min of warm up time) |
| Temperature unit | °C/°F selectable |
| Input filter (FTC) | 0.2 to 10.0 sec |
| Sampling time | 250 ms |
| Relay contact (SPST) | Main Output:<br>NO :10A 250 VAC/ 24 VDC<br>NO/ NC: 5A/ 5A 250 VAC/ 24 VDC |
| Control action | ON-OFF control |
| Hysteresis width | 0.1 to 99.9° |
| Display bias | - 19.9 to 19.9° |
| Supply voltage | 90 to 270 VAC/ DC (AC: 50/ 60Hz) |
| Power consumption | 4 VA max |
| Temperature | Operating: 0°C to 50°C (32 to 122°F); Storage: - 20°C to 75°C (- 4 to 167°F) |
| Humidity (non - condensing) | 95% RH |
| Mounting | Panel |
| Weight | 180 gms |

## Terminal connections

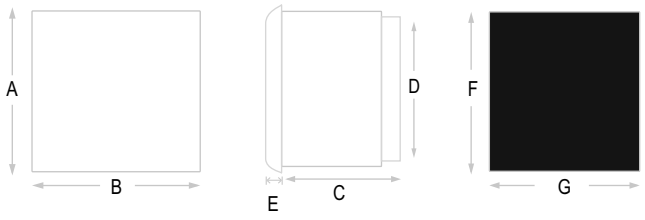
**DTC231**




**DTC331**




## Dimensions (All are in mm)




Front bezel | Side view | Panel Cutout

| DIM | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| DTC231 | 76 | 76 | 44 | 67 | 4.5 | 69 | 69 |
| DTC331 | 99 | 99 | 39 | 90.5 | 3.5 | 92 | 92 |

## Ordering information

| | | | |
|---|---|---|---|
| **DTC231** | RELAY (10A) | 90 to 270V AC / DC | **- - -** |
| **DTC331** | RELAY (10A) | 90 to 270V AC / DC | **- - -** |