



96 x 96mm

Features :

- 3 Digits, 7 Segment LED Single Display
- TC (J, K) Inputs
- ON - OFF Control
- Single Set Point
- °C / °F Selectable
- Control Output : Relay
- Easy to use

Display Specifications

Display	3 Digits, 7 Segment LED Single Display
LED Indications	R : Control output ON

Input Specifications

Inputs	Thermocouple (J, K)
Resolution	Fixed 1°
Indication Accuracy	0.25% of F.S. $\pm 1^{\circ}\text{C}$ (20 min of warm up time)
Temperature Unit	$^{\circ}\text{C}$ / $^{\circ}\text{F}$ selectable
Input Filter (FTC)	0.2 to 10.0 sec
Sampling time	250 ms

Output Specifications

Relay Contact (SPST)	10A resistive @ 250V AC / 30V DC
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Functional Specifications

Control Action	ON - OFF
Hysteresis Width	0.1 to 99.9°

Auxiliary Supply Specifications

Supply Voltage	85 to 270V DC / DC (50 / 60Hz)
Power Consumption	3 VA max @ 230V AC

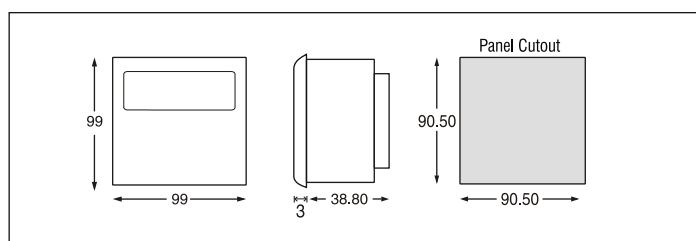
Environmental Specifications

Temperature	Operating : 0 to 50°C (32 to 122°F) Storage : -20 to 75°C (-4 to 167°F)
Humidity (non-condensing)	95% RH

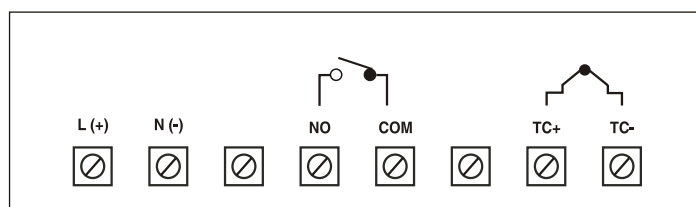
Mechanical Specifications

Mounting	Panel
Weight	130gms

Dimensions



Terminal Connections



Ordering Information

PRODUCT CODE	OUTPUT	SUPPLY VOLTAGE
DTC331	Relay	85 - 270V AC / DC

Mounting Accessories (Supplied with units)

Clamp side with screw assembled

Input Sensor Ranges

Sensor type	Unit	Ranges
J	$^{\circ}\text{C}$	-199 to 750
	$^{\circ}\text{F}$	-199 to 999
K	$^{\circ}\text{C}$	-199 to 999
	$^{\circ}\text{F}$	-199 to 999