



Features:

- Single Display, 3 digit, 7 segment LED
- TC (J, K)
- ON / OFF Control
- Single Setpoint
- °C / °F Selectable
- Relay Control Output
- Easy to use

Size: 96mm x 96mm

Technical Specifications

Display

Digits	3 digit 7 Segment LED, Single display Height of Display 0.5510"
LED Indications	Control output ON

Input Specifications

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

Output Specifications

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

Control Action	ON-OFF
Hysteresis Width	0.1 to 99.9°
Display Bias	-19.9 to 19.9°

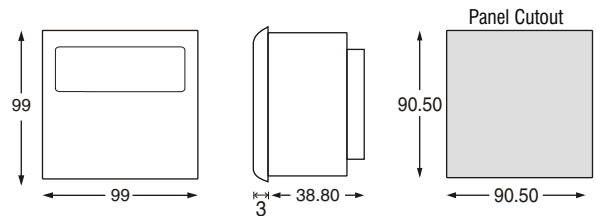
Supply Voltage

Supply Voltage	85 to 270V AC/DC (50 / 60Hz)
Power Consumption	3VA 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 (non-condensing)
Weight	130 g

Dimensions



All dimensions are in mm

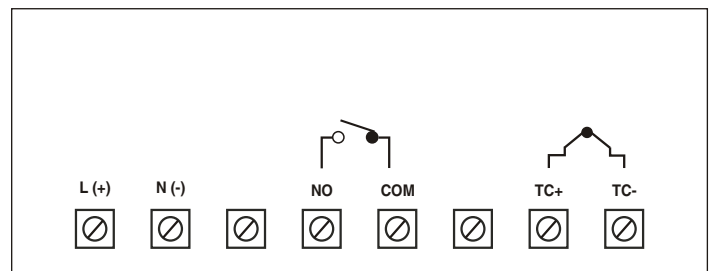
Mounting Accessories (Supplied with units)

Clamp side with screw assembled

Input Sensor Ranges

Sensor type	Unit	Ranges
J	°C	-199 to 750
	°F	-199 to 999
K	°C	-199 to 999
	°F	-199 to 999

Terminal Connections



Ordering Information

Part No.	Output	Supply Voltage
DTC331	Relay	85 - 270V AC/DC