



PROCESS & TEMPERATURE INDICATOR

PTC 8004

APPLICATIONS

Printing Machines

Textile Industry

Paper Industry

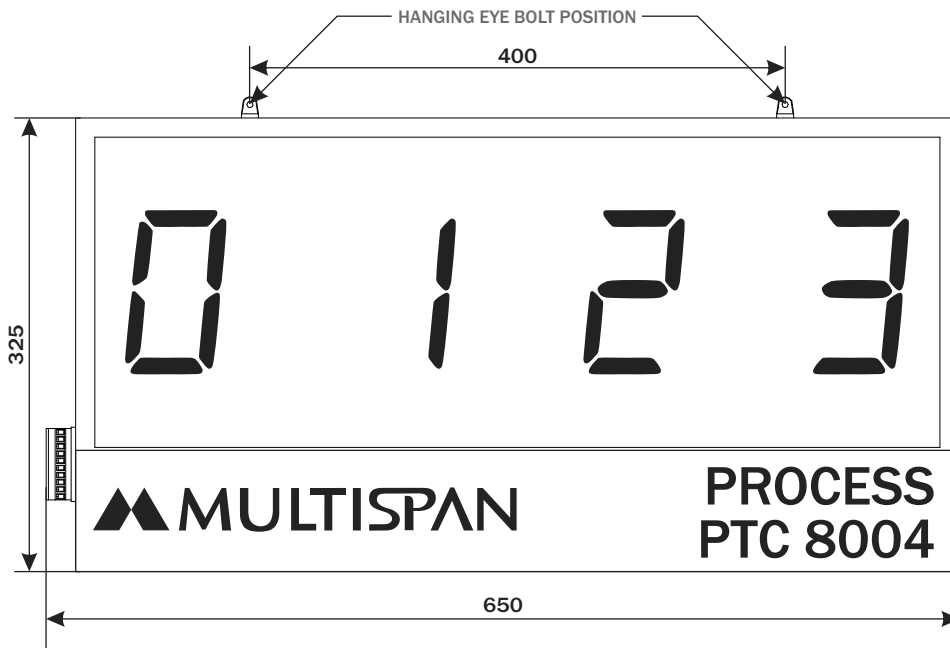
Cable Manufacturing

Process Industry

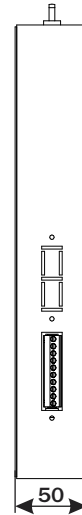
Boiler Industry

Mechanical Dimensions

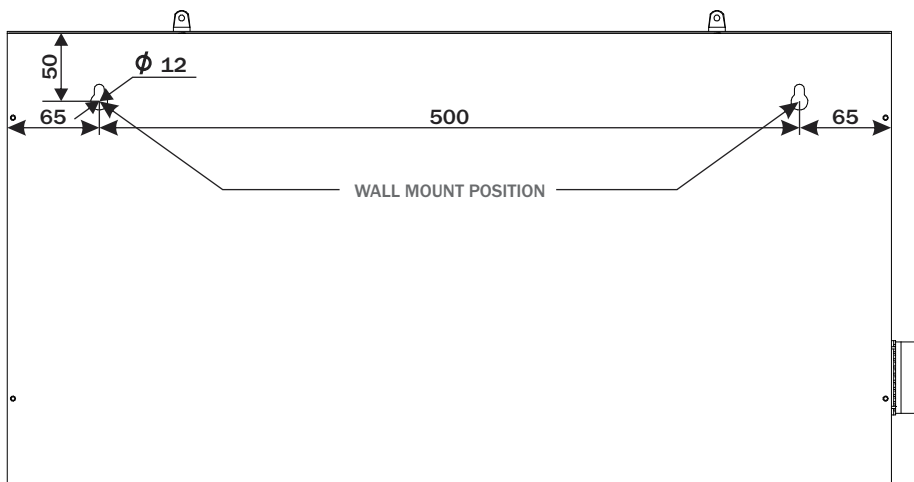
Body Dimensions



FRONT VIEW



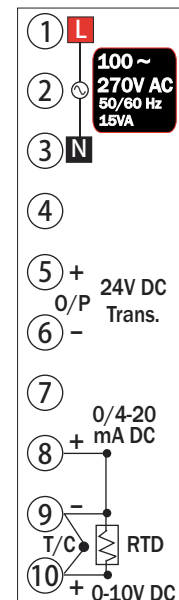
RIGHT SIDE VIEW



BACK VIEW

All dimensions are in mm

Connection Diagram



TECHNICAL DATA

Input Types	Thermocouple : J Type, K Type RTD : PT, PT.1 (3 Wire) Analog : 0 To 10V DC, 0 To 20mA DC, 4 To 20mA DC
Output	24V DC Transmission
Resolution	J,K = 1 °C , PT-100 = 0.1/1 °C
Indication Accuracy	±1% of FSD (FSD:- full scale deflection)
Auxiliary Supply	100V To 270V AC, 50/60Hz, 15VA
Certification	

Auxiliary power supply

Supply voltage	100 to 270V AC, 50-60Hz
Power Consumption	15VA

Display & Key

8" bright Red 4 digit 7 segment display
SET, UP, DOWN, ENT

Input

Input Type	J, K PT-100, PT.1 0To 10V DC, 0 To 20mA DC, 4 To 20mA DC
Accuracy	± 1% of FSD
ADC Resolution	10 Bit
Display Resolution	Thermocouple :- 1 °C RTD :- For PT: 1 °C For PT.1: 0.1 °C
Sample Time	600 msec
CJC Error	± 2 °C
Sensor Open	Thermocouple:- J, K, RTD:- PT
Sensor Burnout Current	1.10uA
RTD Excitation Current	0.2mA
CMRR	>120 dB (Typical)
Max Voltage	20V DC
Response Time	675mS

Table (Input Range)

J	0 to 600 °C
K	0 to 1200 °C
PT-100	-99 to 400 °C
PT.1	-99.9 to 400.0 °C
0 To 10V DC 0 To 20mA DC 4 To 20mA DC	-999 to 9999 °C

Environmental Characteristics

Humidity	95% RH Non-condensing
Operating Temperature	0 to 55 °C

Mechanical Characteristics

Dimension (HxWxD) mm	325 x 650 X 50
Material	Body MS with Powder Coated
Terminal Screw Size	M3
Screw Torque (N.m)	0.5
Wire Gauge (AWG)	28-12

Output

24V DC Transmission