

TEMPERATURE CONTROLLER

LETC48M2



APPLICATIONS

- Packaging Machinery
- Extrusion Machinery
- Furnace & Boilers
- Ovens & Incubators
- Food Industry

TECHNICAL DATA

Input	J/K/PT-100 2W/3W (Configurable), CT
Range	J : 0 to 600° C, K: 0 to 1200° C RTD : (PT-100) -99°C to 400°C/ (PT.1) -19.9°C to 99.9°C
Output	1 Relay 1 C/O, 10A, 230V AC & SSR 12V DC Parallel (1 Set point)
Control Action	PID / TP / ON-OFF (Configurable)
Mode	Heating / Cooling/ Alarm (Configurable)
Power Supply	100-270V AC, 50/60 HZ

INPUT

Input Type	Thermocouple : (J, K) RTD : (PT-100)
Accuracy	± 1% of FSD
Indication	Thermocouple : 1°C
Resolution	RTD : 1°C / 0.1°C
Sampling Rate	6 Sample / Sec

DISPLAY

Display	4+4 digits, 7 Segment LED dual display
Key	SET, INC, DEC & ENT

ENVIRONMENTAL CHARACTERISTICS

Working Temperature	0 to 55°C
Storage Temperature	0 to 55°C
Relative Humidity	95% RH Non-condensing
Warm up time	5 minutes

COMMUNICATION

Modbus	RS-485
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SENSOR RANGE

J	0 to 600°C
K	0 to 1200°C
PT-100	(-99) to 400°C
PT.1	(-19.9) to 99.9°C

OUTPUT

Control Type	On-Off, Auto tune PID, TP, Alarm(High Alarm, Low Alarm, Out Band Alarm, Inband Alarm, Absolutely Out Alarm, Absolutely Low Alarm)
Proportional Band	0.0 to 999
Integral Time	0 to 999
Derivative Time	0 to 999
Sample Rate	6 Sample / Sec
Cycle Time For SSR	1 sec to 99 sec
For Relay	4 sec to 99 sec

RELAY CONTROL OUTPUT

Relay	1 Nos.
Rating	10A@230V AC / 28V DC Resistive Load

SSR CONTROL OUTPUT

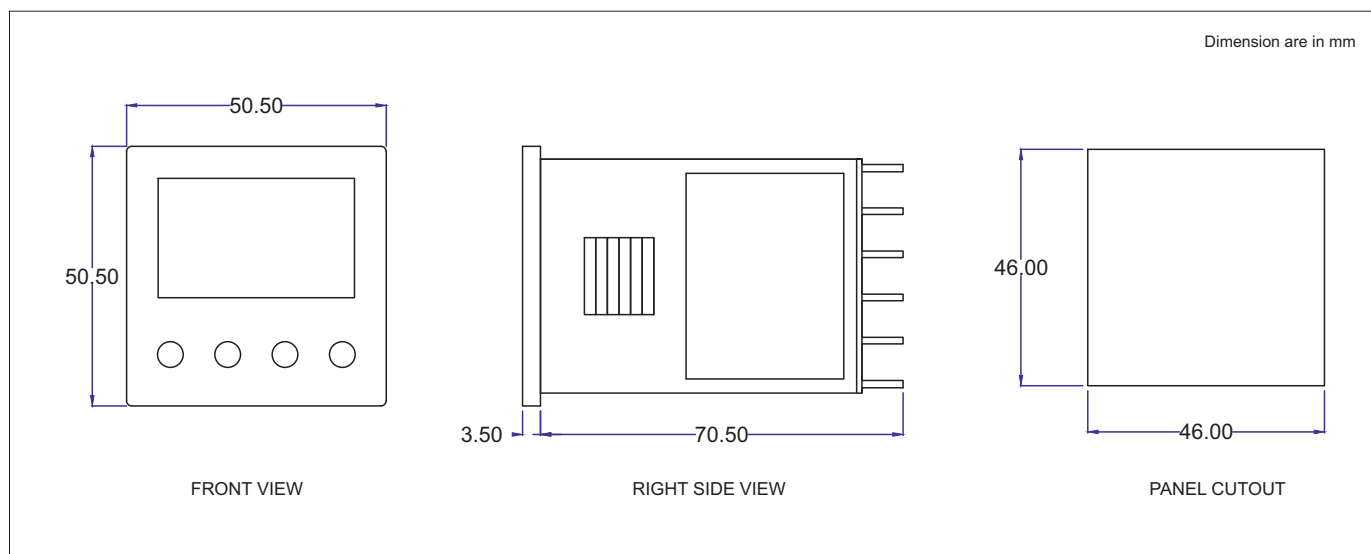
Rating	12V DC @30mA
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MECHANICAL CHARACTERISTICS

Mounting Type	Panel Mount
Dimension (HxWxD) mm	52 x 52 x 70
Panel Cutout (HxW) mm	45 x 45
Accessories	1 Mounting Clamp

TEMPERATURE CONTROLLER

PRODUCT DIMENSION



CONNECTION DIAGRAM

