

FEATURES

- 1/4 DIN, 96 x 96 mm
- Digital display shows process temperature or set point
- On/off or time proportional control
- Fe-Const thermocouple
- Output relay de-energizes on sensor failure
- Easy setting procedure
- Flush-panel mounting
- CE approval

RS PRO On/Off Temperature Controller, 96 x 96mm, 230 V ac Supply

RS Stock No.: 124-1044



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO analogue thermostat temperature controller which is used for easy control of temperature from 0 to 400°C.

J type thermocouple sensors can be used with the controller with a single relay output.

General Specifications

Input Type	J Type Thermocouple
Output Type	Relay
Number of Inputs	
Number of Outputs	1
Termination Type	Screw
Housing Type	Suitable for flush-panel mounting
Enclosure Material	Self-extinguishing plastics.
Accuracy	For adjustment $\pm 4\%$, for display $\pm 0,5\%$ (of full scale) or ± 1 digit
Display	3 digits, 7.6mm, 7 segment red LED
Application	HVAC systems, Ovens, Incubators, Automotive, Storage solutions

Electrical Specifications

Supply Voltage	230V AC
Power Consumption	Max. 5VA
Line Resistance	Max. 100ohm
Data Retention	EEPROM (minimum 10 years)
Wiring	2.5mm ² screw-terminal connection
Frequency	50/60Hz
Electrical Contact Life	300,000 operations at rated output
Memory Back-up	EEPROM

Mechanical Specifications

Mounting Type	Panel Mount
Panel Depth	50mm
Size	96mm x 96mm
Range	0°C to 400.0 °C
weight	250g
Panel cut	90.5mm x 90.5mm

Control Specifications

Control Type	Single-set point control
Control Algorithm	On-Off / time proportional
A/D Converter	10 bit
Hysteresis	4°C (for On-Off control)
Proportional Band	2% (for time proportional control)
Control Period	10 second (for time proportional control)

Operation Environment Specifications

Minimum Operating Temperature	0°C
Maximum Operating Temperature	+50°C
Max. Relative humidity	80%
Storage Temperature	-25°C to 70°C
Altitude	Max. 2000m

Protection Category

IP Rating	IP65
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Approvals

Compliance/Certifications	CE, EN60529
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Dimensions

Front Fascia 96 x 96mm.

