

FEATURES

- On-Off control
- Relay output for cooling or heating
- Single NTC probe input
- -60 °C to +150°C range
- Probe failure setting
- Output can be set to ON, OFF or pulse
- Temperature units °C or °F
- Can be used as an alarm unit
- CE Certified

RS PRO On/Off Temperature Controller, 77 x 35mm, NTC Input, 230 V ac Supply

RS Stock No.: 124-1054



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

From our RS PRO range this high quality digital controller offers a single NTC probe input. Featuring built in On/Off or pulse output status, it can also be used as an alarm unit. This controller is Easy to configure and install, with a large clear display giving good visibility alongside a compact design. Ideal for use with NTC sensors.

Options include:

[124-1054](#) - 230V ac, 1 output

[124-1053](#) - 24V ac/dc, 1 output

General Specifications

Input Type	NTC
Output Type	Relay
Number of Inputs	1
Number of Outputs	1
Termination Type	Screw
Housing Type	Suitable for flush-panel mounting
Enclosure Material	Self-extinguishing plastics.
Accuracy	± 1% (for full scale) ± 1 Digit
Display	4 digits, 12.5mm, 7 segment red LED
Application	HVAC systems, Ovens, Incubators, Automotive, Storage solutions

Electrical Specifications

Supply Voltage	230V ac
Power Consumption	Max. 3VA
Line Resistance	Max. 100ohm
Data Retention	EEPROM (minimum 10 years)
Wiring	Power connector: 2.5mm ² screw-terminal, Signal connector: 1,5mm 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	61mm
Size	77mm x 35mm
Range	-60.0 to 150.0 °C
weight	215g
Panel cut	71.5mm x 28.5mm

Control Specifications

Control Type	Single-set point and alarm control
Control Algorithm	On-Off control
A/D Converter	12 bit
Sampling Time	100ms
Hysteresis	Adjustable between 0.1 and 20.0°C/F.

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	IP20, IP65
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Approvals

Compliance/Certifications	CE, EN60529
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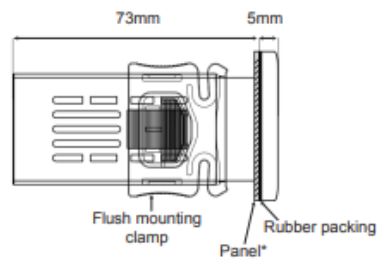
Dimensions

Front Fascia 35 x 77mm.

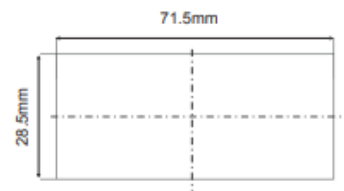
Front



Depth



Panel cut-out



*Panel thickness should be maximum 7mm.