

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, 24 V ac/dc Supply

RS Stock No.: 124-1053



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	24V ac/dc
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 → +150 °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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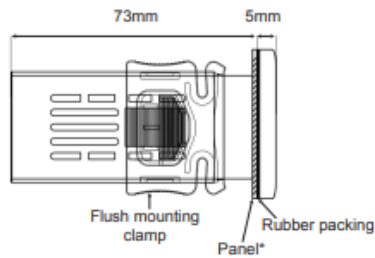
Dimensions

Front Fascia 35 x 77mm.

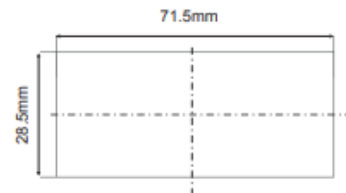
Front



Depth



Panel cut-out



*Panel thickness should be maximum 7mm.