FEATURES

- **4-digit, LED display**

- **35 x 77 mm in size**

- **On/off control**

- **Control output for cooling or heating**

- **Single NTC probe input**

- **Operating range -60 ˚C to 150˚C**

- **Compressor protection settings**

- **Probe failure setting, output status can be set to On, Off or Pulse**

- **Sensor input offset setting**

- **"Smart defrost" feature**

- **Adjustable defrost duration and intervals**

- **6 Selectable warning tones**

- **Digital input; External alarm**

- **CE Certified**

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

RS Stock No.: 124-1045

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 temperature controller is a defrost thermostat for use in refrigeration applications. It is compact in size making it easy to install. The temperature controller has NTC sensor input and single output for compressor control.
Options available:
124-1045 - 230V ac, 1 x Relay
124-1046 - 24V ac/dc, 1 x Relay

General Specifications

Input Type	K Type Thermocouple
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°C
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. 5VA
Wiring	2.5mm²' screw-terminal connections
Frequency	50/60Hz
Electrical Contact Life	100,000 operations at rated output

Mechanical Specifications

Mounting Type	Panel Mount
Panel Depth	61mm
Size	77mm x 35mm
Range	-60.0°C to 150.0 °C
weight	190g
Panel cut	71.5mm x 28.5mm

Control Specifications

Control Type	Single-set point and alarm control
Control Algorithm	On-Off control
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	-40^{0}C to 80°C
Altitude	Max. 2000m

Protection Category

IP Rating	IP20, IP65

Approvals

Compliance/Certifications	CE, EN60529

Dimensions

Front Fascia   35 x 77mm.

Front

77mm

35mm

Depth

61mm   5mm

Flush mounting clamp
Rubber packing
Panel*

Panel cut-out

71.5mm

28.5mm
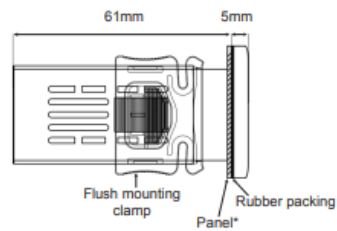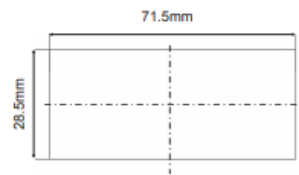
Panel thickness should be maximum 7mm.