

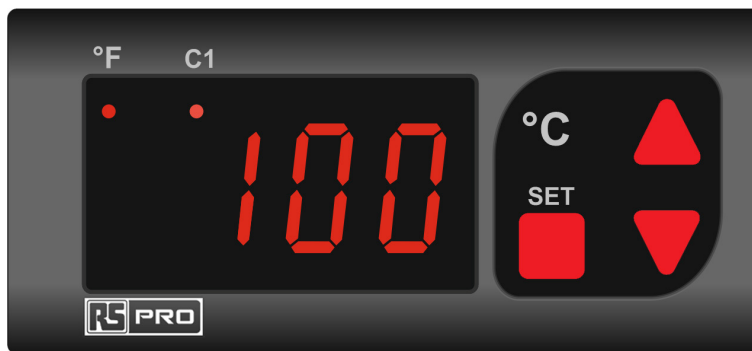


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Datasheet

Stock No: 1241055

RS Pro 35 x 77mm ON/OFF Thermostat, NTC, Two Outputs



At a glance

- 35x77mm size
- On-Off control
- Relay output for cooling or heating control
- Alarm Relay
- Single NTC probe input
- Range -60 to 150°C
- Ideal for industrial or commercial applications

Overview

The RS Pro On/Off Thermostat is specifically designed for use with NTC sensors.

The unit is easy to configure and use, has a large clear display for good visibility and a compact design which is fast to install.

Key Features

- Probe failure setting, output status can be set to ON, OFF or pulse
- Sensor input offset setting
- Selectable heating or cooling control
- Selectable independent, deviation and band alarm types
- 0000 or 000.0 units display
- Temperature units °C or °F
- CE marked



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Specifications

Inputs

Input Type	Scale Range	Accuracy
NTC Resistance Sensor	EN 60751 -60.0...150.0 °C -76.0...302.0°F	± 1% (for full scale) ± 1 Digit

Environmental Conditions

Ambient / Storage Temperature	0 ... +50°C/-25 ... +70°C (with no icing).
Relative humidity	Max. humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C.
Protection Class	According to EN60529; Front panel : IP65 Rear Panel : IP20
Height	Max. 2000m

Electrical Characteristics

Supply	230V AC +%10 -%20, 50/60Hz or 24V AC/DC ±%10
Power Consumption	Max. 3VA
Wiring	Power connector : 2.5mm ² screw-terminal, Signal connector : 1,5mm ² screw-terminal connection.
Line Resistance	Max. 100ohm
Data Retention	EEPROM (Min. 10 years)
EMC	EN 61326-1 : 2013 (Performance criterion B is satisfied for EN 61000-4-3)
Safety Requirements	EN 61010-1 : 2010 (Pollution degree 2, overvoltage category II)
Indicator	4 digits, 12.5mm, 7 segment red LED

Outputs

C1 Output	250V AC, 8A (for resistive load), NO and NC control output.
A1 Output	250V AC, 8A (for resistive load), NO control output.
Life Expectancy for Relay	30.000.000 Switching for no-load operation; 300.000 switching for 8A resistive load at 250VAC.

Control

Control Type	Single-setpoint and alarm control.
Control Algorithm	On-Off Control.
A/D Converter	12 bit resolution, 100ms sampling time.
Hysteresis	Adjustable between 0.1 and 20.0°C/F.

Housing

Housing Type	Suitable for flush-panel mounting according to DIN 43 700.
Dimensions	H35xW77xD61mm
Weight	Approx. 215g (After packing)
Enclosure Material	Self extinguishing plastics.



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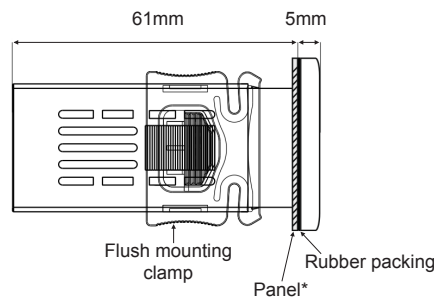
Dimensions

Front Fascia 35 x 77mm.

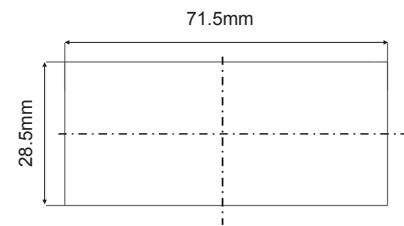
Front



Depth



Panel cut-out



*Panel thickness should be maximum 7mm.

Ordering

Stock Number	Supply Voltage	Number Outputs
1241056	230V ac	2
1241055	24V ac/dc	2

Accessories

Stock Number	Description	Range
1241079	Air probe, plastic shell (PVC cable)	-50...+105°C
1241080	Air probe, thermoplastic shell (with thermoplastic cable)	-30...+80°C
1241081	Air probe, stainless-steel shell (silicon cable)	-60...+150°C
1241082	Liquid probe, stainless-steel shell (silicon cable)	-60...+150°C