



ENGLISH

Datasheet

Stock No: 1241054

RS Pro 35 x 77mm ON/OFF Thermostat, NTC, Single Output



At a glance

- 35x77mm size
- On-Off control
- Relay output for cooling or heating control
- 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
- 0000 or 000.0 units display
- Temperature units °C or °F
- Can be used as an alarm unit
- CE marked



ENGLISH

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

Control

Control Type	Single-setpoint or 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.

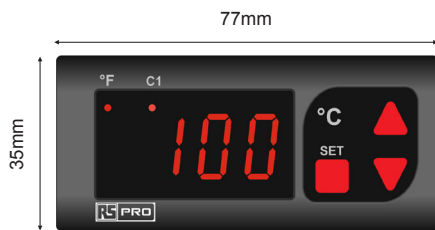


ENGLISH

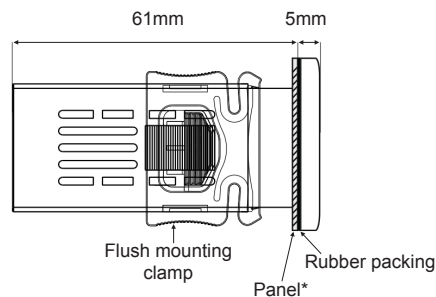
Dimensions

Front Fascia 35 x 77mm.

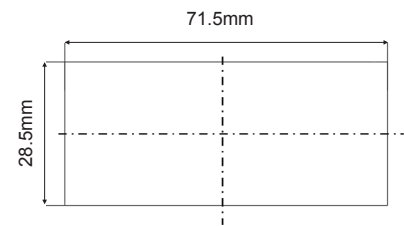
Front



Depth



Panel cut-out



*Panel thickness should be maximum 7mm.

Ordering

Stock Number	Supply Voltage	Number Outputs
1241054	230V ac	1
1241053	24V ac/dc	1

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