



ENGLISH

Datasheet

Stock No: 1241057

RS Pro DIN rail Thermostat



At a glance

- 54 x 94mm DIN rail format
- On-Off control
- Control output for cooling or heating
- Single NTC input
- Offset value can be entered for NTC probe

Overview

A DIN rail mounted thermostat for use with NTC sensors.

The unit is easy to configure and use, has a large clear display 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
- High and low setpoint limits
- Temperature units °C or °F
- CE marked



ENGLISH

Specifications

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 12/24V AC/DC %10
Power Consumption	Max. 5VA
Connection	2.5mm ² screw-terminal connections
Scale	-60.0 ... +150.0°C (-76.0 ... +302.0°F)
Sensitivity	0.1°C (Can be chosen as 0.1°C or 1°C.)
Accuracy	±1°C
Time Accuracy	±%1
Display	4 digits, 12.5mm, 7 segment red LED
EMC	EN 61326-1: 2012
Safety Requirements	EN 61010-1: 2010 (Pollution degree 2, overvoltage category II)

Outputs

Relay Output	Relay: NO+NC 250V AC, 8A (for resistive load), 1/2hp 240V AC (for inductive load)
Life Expectancy for Relay	Without load 30.000.000 mechanical; 250V AC, 8A resistive load 100.000 electrical operation.

Control

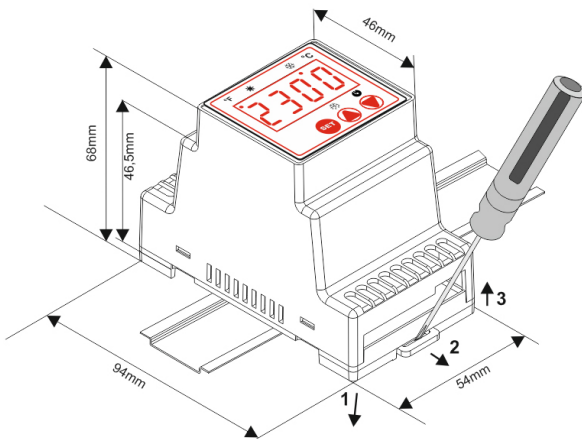
Control Type	Single-setpoint control.
Control Algorithm	On-Off Control.
Hysteresis	Adjustable between 1 and 20.0°C

Housing

Housing Type	Mounted to TH35 type rail that is in accordance with EN60715 standards
Dimensions	H94xW54xD68mm
Weight	Approx. 190g (After packing)
Enclosure Material	Self extinguishing plastics.

Dimensions

Front Fascia 94 x 54mm.



For mounting the device to the panel;
Push the device in direction 1, the rails provide the key to keeping the rail.

For removing the device from rail;
Push the rail lock in direction 2 with a screwdriver and pull the device in direction 3.

Ordering

Stock Number	Supply Voltage	Number Outputs
1241057	230V ac	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