



ENGLISH

Datasheet

Stock No: 1241045

RS Pro 35 x 77mm Defrost Thermostat, NTC, Single Output



At a glance

- 35 x 77mm
- On-Off control
- Control output for cooling or heating
- Single NTC probe input
- Range -60 to 150°C
- Defrost function
- Compressor protection settings

Overview

Compact 35 x 77mm defrost thermostat for refrigeration applications. NTC sensor input and single output for compressor control.

Key Features

- 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
- High and low alarm limits, absolute or deviation
- Temperature units °C or °F
- Digital input;
 - External alarm
 - Initiate defrost
- CE marked



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Specifications

Environmental Conditions

Ambient / Storage Temperature	0 ... +50°C/-40 ... 85°C (without 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 Voltage	230V AC +10% -20%, 50/60Hz ; 12V AC/DC \pm %10 or 24V AC/DC \pm 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 selected as 0.1°C or 1°C.)
Accuracy	\pm 1°C
Time Accuracy	\pm 1%
Display	4 digits, 12.5mm, 7 segment LED
EMC	EN 61326-1: 2013
Safety Requirements	EN 61010-1: 2010 (Pollution degree 2, overvoltage category II)

Outputs

Relay Output	NO+NC 250V AC,8A (resistive load), 1/2HP, 0.37KW 240V AC (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 set-point control
Control Algorithm	On-Off control
Hysteresis	Adjustable between 1 ... 20.0°C

Housing

Housing Type	Suitable for flush -panel mounting
Dimensions	H35xW77xD61mm
Weight	Approx. 190g (After packing)
Enclosure Material	Self extinguishing plastics.



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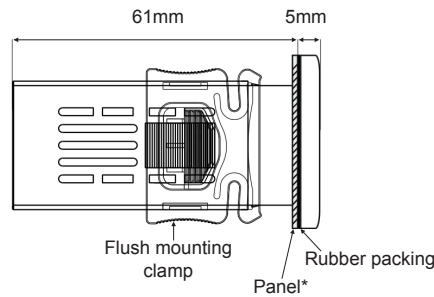
Dimensions

Front Fascia 35 x 77mm.

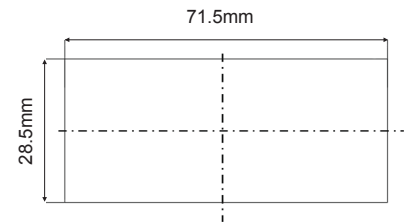
Front



Depth



Panel cut-out



*Panel thickness should be maximum 7mm.

Ordering

Stock Number	Supply Voltage	Number Outputs
1241045	230V ac	1 x Relay
1241046	24V ac/dc	1 x Relay

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