



ENGLISH

Datasheet

Stock No: 1241075

## RS Pro 35 x 77mm Temperature Indicator, NTC



### At a glance

- 35x77mm
- Single NTC probe input
- Range -60 to 150°C
- 0000 or 000.0 units display
- Temperature units °C or °F

## Overview

The RS Pro Temperature Indicator provides temperature indication on industrial and commercial systems using NTC sensors operating within a range of -60 to 150°C.

### Key Features

- Sensor input offset setting
- Alarm / Warning on display
- High and low alarm limits
- Maximum and minimum measured value stored
- Simple operation and setup
- 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

<b>Ambient / Storage Temperature</b>	0 ... +50°C/-25 ... +70°C (with no icing).		
<b>Max. Relative Humidity</b>	Max. humidity 80% for temperatures up to 31°C (88°F) decreasing linearly to 50% relative humidity at 40°C (104°F).		
<b>Protection Class</b>	According to EN60529;	Front panel : IP65	Rear Panel : IP20
<b>Height</b>	Max. 2000m		

### Electrical Characteristics

<b>Supply</b>	230V AC +%10 -%20, 50/60Hz or 24V AC/DC %10 50/60Hz
<b>Power Consumption</b>	Max. 4VA
<b>Wiring</b>	Power connector : 2.5mm <sup>2</sup> screw-terminal, Signal connector : 1,5mm <sup>2</sup> screw-terminal connection.
<b>Sensor Input</b>	10K @ 25°C NTC, Beta Value 3435K 25/85 °C. (Used with RS NTC sensors).
<b>Data Retention</b>	EEPROM (Min. 10 years)
<b>Accuracy</b>	0.1 °C
<b>EMC</b>	EN 61326-1: 2012 (Performance criterion B is satisfied for EN 61000-4-3)
<b>A/D Converter</b>	12 bit resolution, 100ms sampling time.
<b>Indicator</b>	4 digits, 12.5mm, 7 segment red LED
<b>Hysteresis</b>	Adjustable between 0.1 and 15 °C / °F.
<b>Safety Requirements</b>	EN 61010-1: 2010 (Pollution degree 2, overvoltage category II)

### Housing

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

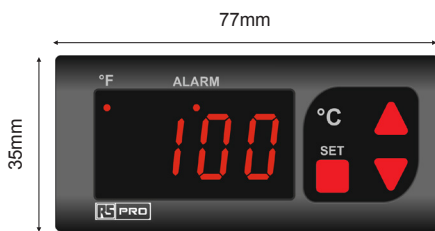


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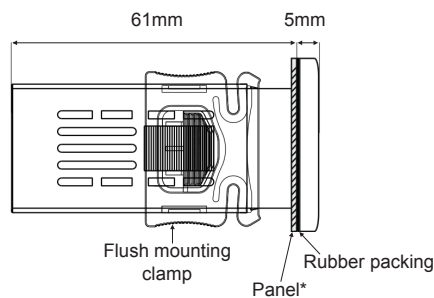
## Dimensions

Front Fascia 35 x 77mm.

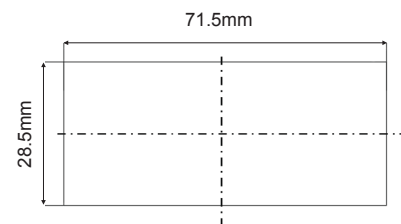
Front



Depth



Panel cut-out



\*Panel thickness should be maximum 7mm.

## Ordering

Stock Number	Supply Voltage	Number Outputs
1241075	230V ac	0
1241076	24V ac/dc	0

## 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