

# **Every part matters**

EN

# Instruction Manual

RS Pro 35 x 77mm Temperature Indicator, NTC Stock Number: 124-1075, 124-1076



Please read this document carefully before using this product. The guarantee will be invalidated if the device is damaged by not following instructions detailed in the manual. The company shall not be responsible for any damage or losses however caused, which may be experienced as a result of the installation or use of this product.

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



Part Code	Supply Voltage	<b>Number Outputs</b>
124-1075	230V ac	0
124-1076	24V ac/dc	0



## R⊚HS Compliant

#### **CONNECTION DIAGRAM**

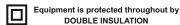


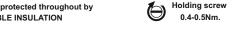
**1241075 & 1241076** is intended for installation within control panels. Make sure that the device is used only for intended purpose. The shielding must be grounded on the instrument side. During an installation, all of the cables that are connected to the device must be free of electrical power. The device must be protected against inadmissible humidity, vibrations, severe soiling. Make sure

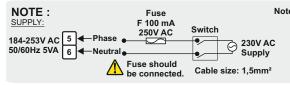
that the operation temperature is not exceeded. All input and output lines that are not connected to the supply network must be laid out as shielded and twisted cables. These cables should not be close to the power cables or components. The installation and electrical connections must be carried out by a qualified staff and must be according to the relevant locally applicable regulations.











- Note 1) Mains supply cords shall meet the requirements of IEC 60227 or IEC 60245.
  - 2) In accordance with the safety regulations, the power supply switch shall bring the identification of the relevant instrument and it should be easily accessible by the operator.

#### **TECHNICAL SPECIFICATIONS**

**ENVIRONMENTAL CONDITIONS** 

Ambient/Storage temperature

Relative Humidity

Max. humidity 80% for temperatures up to 31°C (88°F) decreasing linearly to 50% relative humidity at 40°C (104°F)

Protection Class

According to EN60529: Front panel: IP62

Rear panel: IP20

Height Max. 2000r

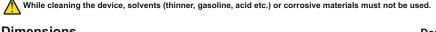
Do not use the device in locations subject to corrosive and flammable gasses.

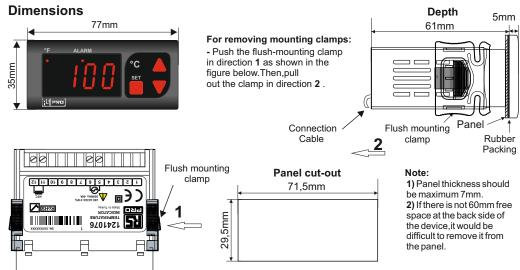
### ELECTRICAL CHARACTERISTICS

Supply	230V AC +%10 -%20, 50/60Hz or 24V AC/DC ±%10 50/60Hz	
Power Consumption	Max. 4VA	
Wiring	Power connector: 2.5mm² screw-terminal, Signal connector: 1,5mm² screw-terminal conenction.	
Sensor input	10K @ 25°C NTC, Beta Value 3435K 25/85 °C. (Used with RS NTC sensors).	
Data Retention	EEPROM (Min. 10 years)	
Accuracy	0.1 °C	
EMC	EN 61326-1: 2013 (Performance criterion B is satisfied for EN 61000-4-3)	
A/D Converter	12 bit resolution, 100ms sampling time.	
Indicator	4 digits, 12.5mm, 7 segment red LED	
Hysteresis	Adjustable between 0.1 and 15 °C / °F.	
Safety Requirements	EN 61010-1: 2010 (Pollution degree 2 overvoltage category II)	

#### HOUSING

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





### FOR MORE INFORMATION VISIT THIS SITE

1241075/76-E-01-161006

### **Programming Diagram**

