# Rack mount thermometer with Ethernet interface and relays

code: H4531R

Temperature transmitter for external Pt1000 probe with two relay outputs.
Sensor H4531R is designed for online monitoring of temperature. Three binary inputs to detection of two-states signals are the advantage. Other devices are controlled by two relay outputs.

**Processing and analysis of measured data:**

- online in COMET Cloud
- COMET Database software
- integration into 3-party systems

## Technical data

| | |
|---|---|
| TEMPERATURE SENSOR - external probe Pt1000 | |
| Measuring range | -200 to +600 °C |
| Accuracy | ±0.2 °C |
| Resolution | 0.1 °C |
| RELAY OUTPUTS | |
| Quantity | 2 |
| Maximal voltage | 50 V |
| Maximal current | 2 A |
| Maximal power | 60 VA |
| BINARY INPUTS | |
| Quantity | 3 |
| Signal for binary inputy | dry contact, open collector or two-state voltage signal.<br>Inputs are not galvanically isolated. |
| Minimum pulse duration on binary input | 500 ms |
| Voltage across open contact | < 3,3 V |
| Low voltage level | 0 to +0,5 V |
| High voltage level | +3,0 to +30 V |
| GENERAL TECHNICAL DATA | |
| Operating temperature | -30 to +80 °C |
| Channels | 1x external temperature probe |
| Acoustic alarm | from built-in beeper - switchable |
| Output | Ethernet |
| Measuring interval | 2 s |
| Range of humidity sensor temperature compensation | all temperature range |
| Available temperature units | degrees Celsius, degrees Fahrenheit |
| Communication protocol | WWW, ModbusTCP, SNMPv1, SOAP, XML |

| | |
|---|---|
| Alarm protocols | E-mail (SMTP authentication is supported), SNMP Trap, Syslog |
| Power | 12Vdc, maximum consumption 1W |
| Protection class | IP30 |
| Dimensions | 483 x 44 x 45 mm |
| External probe cable length | 1 meter (optionally 2 or 4 meters) |
| Weight | approx. 1025 g |
| Warranty | 3 years |