

## Thermometer with Ethernet interface and relays

code: H4531



Temperature Ethernet sensor for Pt1000 sensors with two relay outputs. Sensor H4531 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 input                           | 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            | 9-30 Vdc          |
| Protection class | IP40              |
| Dimensions       | 136 x 117 x 45 mm |
| Weight           | approx. 340 g     |
| Warranty         | 3 years           |