

## 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           |