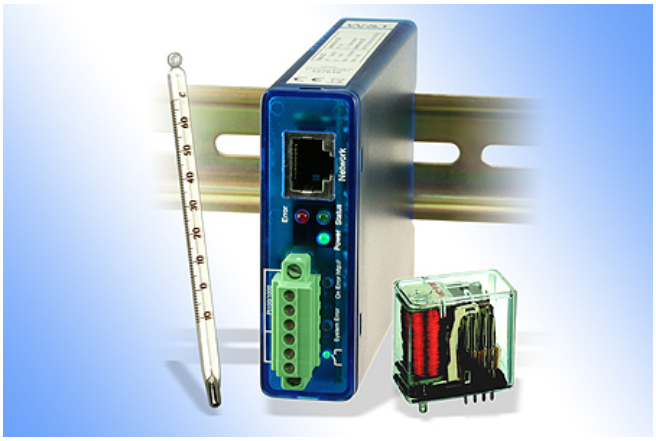
Data sheet:

Web-Thermograph Relay



Article no.: 57616

This article has been replaced by the expanded successor model Web Thermometer Relay.

Measure, log and switch...

The Web-Thermograph Relay is a measuring device that detects temperatures and makes the values available in the network. When a limit is exceeded a digital relay output can be switched. The device includes an integrated data logger and numerous Web and network services for manual querying of the measurements, or autonomous sending of messages.

Properties

Sensor:

- **Pt100 temperature sensor:**
  - Measuring range of W&T probe: -50°C...180°C
  - Measuring input: -200°C...650°C

Connectivity:

- Digital **semiconductor relay output**
- **Monitor temperatures and curves with your browser**
- **Alarm and reporting function:**
  - E-mail for alarm or reporting functions
  - SNMP polling / alarm traps
  - Up to 8 alarm messages can be configured
- **Dynamic integration into other Web sites:**
  - Direct access to current measurement values via AJAX, JavaScript and Java applet
- **Additional software interfaces for incorporating into your systems/databases:**
  - OPC server
  - Syslog
  - Sensobase (database integration via ODBC)
  - TCP and UDP sockets, client and server
  - FTP (data logging)
- **Possible applications:**
  - Monitor temperatures in the server room, network cabinet or office
  - Integrated semiconductor relay turns connected devices on and off
  - Direct display of multiple measuring points in the browser via Java applet
  - Logging of measurements via FTP, Excel file, email attachment and internal memory
  - Green IT: Monitor efficiency of the server room climate control

Data logger:

- **Internal data logger**
  - Memory size: min. 28 weeks, max. 20 years
  - Save frequency: 15s, 30s, 1m, 5m, 15m, 60m
- **Document measurement data online in the W&T Cloud and access** from anywhere in the world
- **Internal clock**
  - Time synchronization via time server calibration
  - Battery-backed device clock

Standards & more

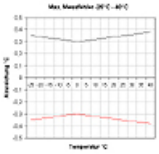
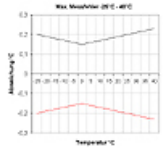
- **Supply voltage via Power-over-Ethernet (PoE)**
  - Phantom power using data pairs
  - Power over unused wire pairs
  - External power supply is an alternative
- **Conforms to standards both in office and industrial environments:**
  - High noise resistance per EN 61000-6-2
  - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3
- **5 year guarantee**

Technical data

Connections and displays:

Temperature sensor:	Pt100 Screw terminal for Pt100/Pt1000 Cable length: 2m (can be extended as needed)
Digital output:	Semiconductor relay
Network:	10/100BaseT autosensing IPv6 on request
Galvanic isolation:	Measurement inputs to network: min. 500V
Supply voltage:	Power-over-Ethernet (PoE) or via screw terminal with DC 18V .. 48V (+/-10%) or AC 18Veff .. 30Veff (+/-10%)
Power consumption:	AVG: 80mA @24VDC, 110mA @18VAC Max: 90mA @24VDC, 50mA @48VDC PoE Class 1 (0.44 - 3.84W)
Displays:	1 LED Power 4 LEDs Status and Error 1 LED Relay Status

Measuring unit:

Sensor:	Pt100/Pt1000 connection, 2-, 3- or 4-wire
Measuring range:	W&T sensor: -50°C...180°C PT100/PT1000 measuring input: -200°C...650°C
Resolution:	1/10°C
Measuring error:	
Measuring unit	±0.3°C, ±0.2% 
PT100/1000 Sensor Class A	±0.15°C, ±0.2% 
Storage frequency:	15, 30 sec., 1, 5, 15, 60 min
Memory depth (6MB):	min. 28 weeks, max. 99 years
Deviation of the internal clock:	max. 1 min. / month
Measuring frequency:	4 seconds

Semiconductor relay output

Digital output:	1 potential-free contact, semiconductor relay
max. switching current:	AVG 300mA AC/DC (peak 500mA)
max. switching voltage:	39V AC/DC
max. switching capacity:	11.7W AC/DC

Housing and other data:

E-mail function:	Mail for sending alarms or as reporting function
Housing:	Plastic compact housing, 105x75x22mm

Weight:	approx. 200g
Ambient storage temperature:	-40..+70°C
Ambient operating temperature:	0 .. +60°C
Scope of delivery:	1x Web-Thermograph Relay for DIN rail mounting 1x Pt100 sensor

W&T
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We are available to you in person:

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