Temperature Monitoring with Precision and Flexibility!

Two adaptable relay changeover contacts

SR336 - Versatile and Reliable Temperature Monitoring with RTD sensors

The Temperature Monitor SR336 is used for industrial temperature monitoring with RTD sensors such as Pt, Ni, KTY and futher RTDs in 2-wire connection. Equipped with two adaptable relay changeover contacts (synchronous switching), this device provides flexibility. With the option for MIN or MAX alarms in open or closed-circuit operation, the SR336 adapts to your needs.

Adjust your settings effortlessly, all setting elements are located behind the openable front cover. Even when mounted, you can easily access and customize the device to suit your specific requirements. The switching points and the switching hysteresis can be adjusted with potentiometers. The monitoring states are clearly displayed with a eye-catching yellow LED, providing a clear visual indication.

Safety is a priority with galvanic isolation between input, power supply, and relay outputs. The SR336 is equipped with Protective Separation and a 24 V DC power supply, making it a universal choice for a wide range of temperature monitoring applications with RTD sensors, such as monitoring in industrial processes and building automation.

SR336

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SR336

Technical Data

SR336	
Input ranges (switchable)	0...300 Ω / 0...3 kΩ
Monitoring sensors	Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120, Ni500, Ni1000, KTY and further RTDs and resistance
Sensor current	≤ 1.5 mA / 0.15 mA
Sensor connection	2-wire sensor connection, manual compensation of line resistances required
Switch point setting	0 to 110 % with 12-turn potentiometer
Hysteresis setting	0 to 6 % or 0 to 60 % of measuring range switchable, adjustable with potentiometer
Output, Relay 1 & 2	
Contact type	2 isolated changeover relays (SPDT), synchronous switching
Switching capability AC max.	250 V / 6 A, 1500 VA
Switching capability DC max.	250 V / 0.2 A, 115 V / 0.3 A, 30 V / 6 A
Recommended minimum load	300 mW / 5 V / 5 mA
Status indication	yellow LED
Response time	< 50 ms
General Data	
Switch error	< 0.2 % full scale
Temperature coefficient [1]	< 150 ppm/K
Test voltage	4 kV AC, 50 Hz, 1 min. input against power supply against both switching outputs. 3 kV AC, 50 Hz, 1 min. switching output 1 against switching output 2
Working voltage [2] (Basic Insulation)	1000 V AC/DC for overvoltage category II and 600 V AC/DC for overvoltage category III according to DIN EN 61010 with pollution degree 2 between input, power supply and both switching outputs. Furthermore 300 V AC/DC between output 1 and output 2.
Power supply	24 V DC, ± 15 %, 0.7 W
Ambient temperature	Operation - 20 °C to + 60 °C (–4 to + 140 °F) Transport and storage - 35 °C to + 85 °C (–31 to + 185 °F)
EMC [3]	EN 61326-1
Construction	12.5 mm (0.5") housing, protection class IP 20 mounting on 35 mm DIN rail acc. to EN 60715. Weight 70 g

[1] Average TC related to full scale value in specified operating temperature range, reference temperature 23 °C
[2] For applications with high working voltages, ensure there is sufficient spacing or isolation from neighbouring devices and protection against electric shocks
[3] Minor deviations possible during interference

Highlights

Easy configuration on front panel
Measuring range and operating mode switchable via DIP switch, switch point and hysteresis adjustable with potentiometer

Status indication by LED
Easy monitoring and switching point adjustment

High-power Relay Changeover Contacts
2 SPDT relays with up to 6 A switch capacity at 250 V AC / 30 V DC

True 4-port separation
Protection against erroneous measurements due to parasitic voltages or ground loops

Protective Separation acc. to EN 61010
Protects service personnel and downstream devices against impermissibly high voltage

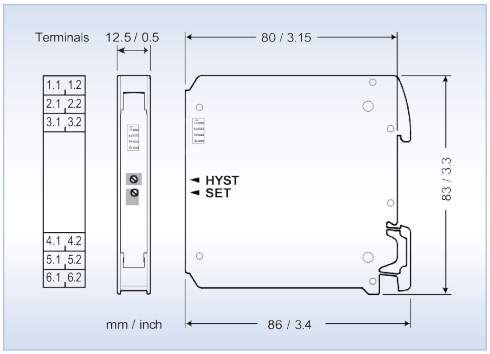
High reliability and noise immunity
No microprocessor, no integrated software

Extremely slim design
12.5 mm slim housing for a simple and space saving DIN rail mounting

5 Years Warranty
Defects shall be remedied free of charge at our plant

Dimensions

Neat and convenient, designed for various applications.



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