

Alarm Unit with RTD Input and Double Relay Outputs



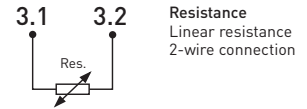
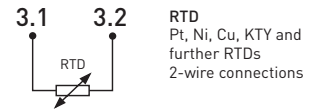
SR336 is designed for monitoring RTD sensor signals in the process industry, it accepts inputs from RTD sensors such as Pt (Pt10...Pt1000), Ni, Cu, KTY and further RTDs in 2-wire sensor connection, as well as linear resistance. Two relay outputs with synchronous trip functions are available. LEDs in the front indicate alarm state and correct power supply.

- Input for RTD sensors and resistances in 2-wire connection
- Two isolated relay outputs (synchronous switching)
- Monostable relays for safe tripping at power failure
- SPDT relays with 6 A switch capacity
- High configuration flexibility with DIP switches
- Trip level and hysteresis adjustable from the front
- Front LEDs for trip indication and power supply monitoring
- 4 kV isolation between input, output and power supply
- Protective Separation acc. to EN 61140
- 24 V DC power supply
- DIN-rail mounting

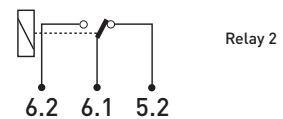
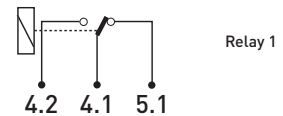
Specifications:

Input ranges (switchable)	0...300 Ω / 0...3 kΩ
Monitoring sensors	RTDs such as Pt, Ni, Cu, KTY and further RTDs and resistances
Sensor current	≤ 1,5 mA / 0,15 mA
Sensor connection	2-wire sensor connection, manual compensation of line resistances required
Output, Relay 1 & 2	
Relay contacts	Two isolated 1-pole relays (SPDT), with synchronous switching and functions
Contact rating	250 VAC / 6 A, 1500 VA 250 VDC / 0.2 A, 115 VDC / 0.3 A, 30 VDC / 6 A
Relay function	Monostable, Open/Closed-Circuit Operation (switch selectable)
Alarm function	High/Low alarm (switch selectable)
Alarm indication	Alarm state indicated by yellow LED
Adjustable alarm set-point	0 ... 110 % of input range with 12-turn potentiometer
Adjustable hysteresis	0 to 6 % or 0 to 60 % of input range, switchable and adjustable in front
Response time	< 50 ms
Operation temperature	-20 to +60 °C / -4 to +140 °F
Galvanic isolation	
Input / power supply / relay outputs	Test Voltage: 4 kV AC, 50 Hz, 1 min. Working voltage: 1 kV AC/DC for OVC II, 600 V AC/DC for OVC III acc. to DIN EN 61010
Relay 1 / Relay 2	Test Voltage: 3 kV AC, 50 Hz, 1 min. Working Voltage: 300 V AC/DC
Power supply	
Supply voltage	24 V DC, ± 15 %, approx. 0.7 W
Typical accuracy	Trip point error: < 0.2 % full scale
Mounting	35 mm DIN rail acc. to EN 60715

Input connections



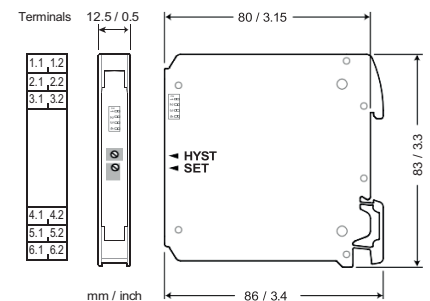
Output connections



Power supply



Dimensions



Ordering information

SR336

70SR336001