

## Alarm Unit with Pt100 Input and Double Relay Outputs



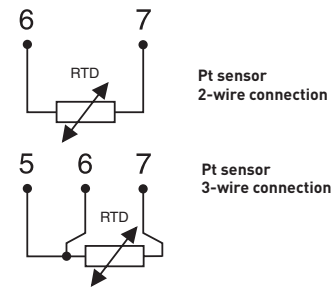
SR335 is designed for industrial temperature monitoring with Pt100 sensors in 2- or 3-wire connection. Two output relays with individually adjustable trip functions are available. LED's in the front indicate alarm state and correct power supply.

- Input from Pt100 sensors in 2- or 3-wire connection
- Selectable, pre-calibrated temperature ranges
- Two relay outputs with independent switch functions
- Monostable relays for safe tripping at power failure
- SPDT relays with 6 A switch capacity
- High configuration flexibility with DIP switches
- Trip levels and hysteresis adjustable from the front
- Three front LED's for trip indication and power supply monitoring
- 4 kV isolation between input, output and power supply
- Protective Separation acc. to EN 50178
- Universal 24 V AC and DC power supply
- DIN-rail mounting

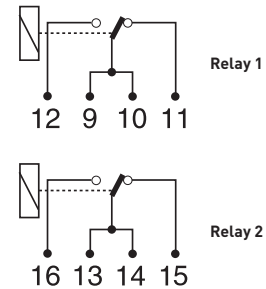
### Specifications:

<b>Input</b>	
Sensor	Pt100, Pt200, Pt500 and Pt1000 (switch selectable)
Standard	IEC 60751, $\alpha=0.00385$
Measuring range	Zero: -100 / -50 / 0 / +50 °C (switch selectable) Span: 100 / 200 / 300 / 400 °C (switch selectable)
Sensor connection	2-wire and 3-wire (switch selectable)
Sensor wire resistance	$\leq 10 \Omega$ per wire
<b>Output, Relay 1 &amp; 2</b>	
Relay contacts	1-pole switch over contact (SPDT)
Contact rating	250 VAC/DC, 6 A, 1 500 VA
Relay function	Monostable, Normally active or passive (switch selectable)
Alarm functions, relay 1	High/Low alarm (switch selectable)
Alarm functions, relay 2	High/Low alarm or Power failure alarm (switch selectable)
Alarm indication	Alarm state indicated by yellow LED
Adjustable alarm set-point	0 to 100 % of input range (12-turn potentiometers in front)
Adjustable hysteresis	0 to 60 % of span (12-turn potentiometers in front)
Response time	Ca. 20 ms (fixed)
<b>Operation temperature</b>	-20 to +60 °C / -4 to +140 °F
<b>Galvanic isolation</b>	
Input / power supply / relay outputs	4 kVAC, 1 min
Relay 1 / Relay 2	2.5 kVAC, 1 min
<b>Power supply</b>	
Voltage	24 VAC/DC $\pm 15\%$ , 48 to 62 Hz [AC supply]
Power consumption	AC: ca. 2 VA, DC: ca. 1 W
<b>Typical accuracy</b>	Trip point: $\pm 0.2\%$ of span
<b>Mounting</b>	Rail acc. to DIN EN 50022, 35 mm

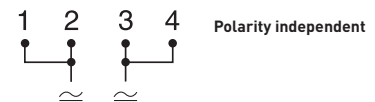
### Input connections



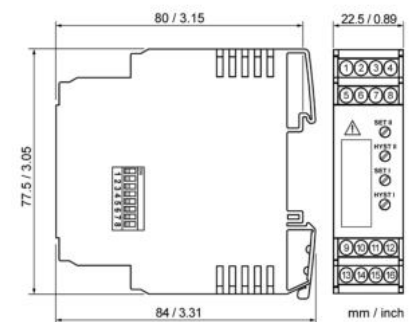
### Output connections



### Power supply



### Dimensions



### Ordering information

SR335, 24 VAC/DC	70SR335001
Configuration	70CAL00001