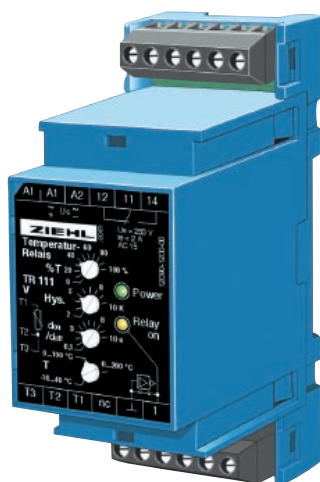


Pt 100-Temperature-Relay Type TR111V

1 Sensor

TR111V
3-wire



Temperature-Relays TR111V can be used as limit-switches or 2-point controllers with high repeat accuracy. 3 measuring-ranges, adjustable hysteresis and switching delay and the choice between operating- and closed-current principle of the relay make it a very universal device.

- Measuring input 1x Pt 100 (RTD) / 3-wire
- measuring-ranges selectable:
 - -10...+40/0...100/0...200 °C
 - 0...100/100...200/200...300/300...400 °C
- 1 limit adjustable 0...100 %
- switching delay adjustable 0,1...10 s
- Output-relay 1 changeover-contact (co)
- Operating- or closed-current-mode selectable with bridge
- Switching off at sensor-short-circuit or break
- LEDs for display state of operation
- Universal supply-voltage AC/DC 24-240 V
- Housing for mounting in switchgear cabinets or fuse-boxes, 35 mm wide
- Mounting height 55 mm

Application:

Protection from over-temperature in processes, plants and machines. Monitoring of temperatures in bearings.

Controlling of temperatures in processes and plants.

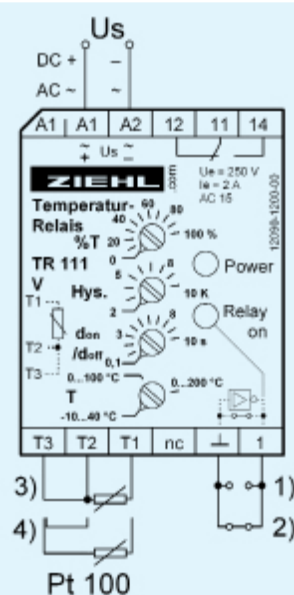
Order-number:

-10...+200 °C

T224107

0...400 °C

T224108



- 1) Ruhestrom / closed current mode
 - 2) Arbeitsstrom / operating current mode
 - 3) 3-Leiter / 3-wire
 - 4) 2-Leiter / 2-wire
- Brücke zwischen T2-T3 / Bridge from T2-T3

Technical Data

Supply voltage U_s

AC/DC 24-240 V, 0/50/60 Hz, < 2W, < 3VA
(DC 20,4 - 297, AC 20-264 V)

Pt 100 -Sensor (RTD)

EN 60751 / IEC 60751

Measuring ranges

ranges selectable

Error of setting

± 5 K

Repeat error

app. 0,5 K

Temperature-dependence

$\leq 0,05$ %/K

Hysteresis

adjustable 2...10 K

Switching delay don/doff

adjustable 0,1...10 s

Relay output

1 change-over contact (co)

Type of contact

type 3 see "general technical informations"

Test conditions

siehe "general technical informations"

Rated ambient temperature range

-20°C...+55°C

Dimensions (H x W x D)

design V4: 90x70x58 [mm], mounting height 55 mm

Attachment

on 35 mm DIN-rail according to EN 60 715 or

with screws M4

Protection housing/terminals

IP 30 / IP 20

Weight

app. 100 g