

Temperature relay TR640IP

Sensors 6 x Pt 100, Pt 1000 or PTC, 4 limits, IP interface, operation with browser via TCP/IP

TR640IP



UK
CA C RU US

Part numbers:

TR640IP **T224390**

ER6



T224386

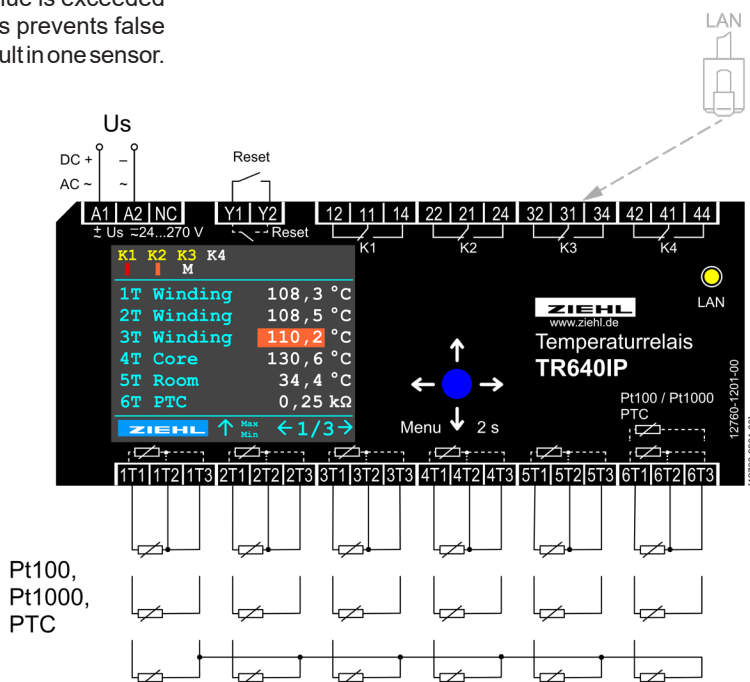
Temperature Relays TR640IP monitor up to 6 sensors for up to 4 limits. Different sensors can be connected at the same time, e.g. Pt 100 (RTD) and PTC-thermistors. Typical applications are monitoring of motors, generators or transformers. An other application is the use as a 2- or more step-controller with additional monitoring of over- or undertemperature or monitoring of differences in temperatures of 2 sensors.

Preset programs allow easy setting e.g. monitoring of transformers with/without monitoring of temperature of core or with/without controlling a ventilator. If the evaluation "2 out of x" is activated with several connected sensors, an alarm is only triggered when the limit value is exceeded in 2 sensors. This prevents false alarms due to a fault in one sensor.

Operation can be made at the device or with a standard browser via ethernet.

- 6 inputs for sensors Pt 100, Pt 1000 and PTC, mixed sensors possible
- 4 alarms / output relays
- alarm 2 of x = alarm only when limit is exceeded in min. 2 sensors
- monitoring of difference of temperatures
- monitoring of rate of change of temperature
- logging of temperatures and history
- preset programs for protection of motors, transformers and more
- interface ethernet TCP/IP, values available via modbus TCP
- programming with browser via TCP/IP or with joystick at device
- coloured LCD display for clear display of temperatures and states of alarms
- universal power supply AC/DC 24-270 V

Accessory: [Installation frame ER6 for panel mount](#)



Technical data

Rated supply voltage Us
Sensor connection
Type of connection
Monitoring range
Switching delay on/off
Relay output
Test conditions
Rated ambient temperature range

AC/DC 24 - 270 V, 0/50/60 Hz
6 x Pt 100, Pt 1000, PTC
3-wire, 2-wire (line resistance 0,0...99,9 Ohm)
-199,9...+800 °C
00:00...59:59 mm:ss
4 x changeover contact
EN 61010, EN 61326
-20°C...+65°C

Housing / Installation Frame
Dimensions (w x h x d)
Protection housing/terminals
Mounting
Weight

Design V6 / Front mounting kit type ER6, 6 TE
105 x 90 x 58 mm, mounting height 55 mm
IP 30 / IP 20
snap mount on 35 mm DIN rail or screws M4
app. 250 g