Temperature relay TR640IP

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

TR640IP



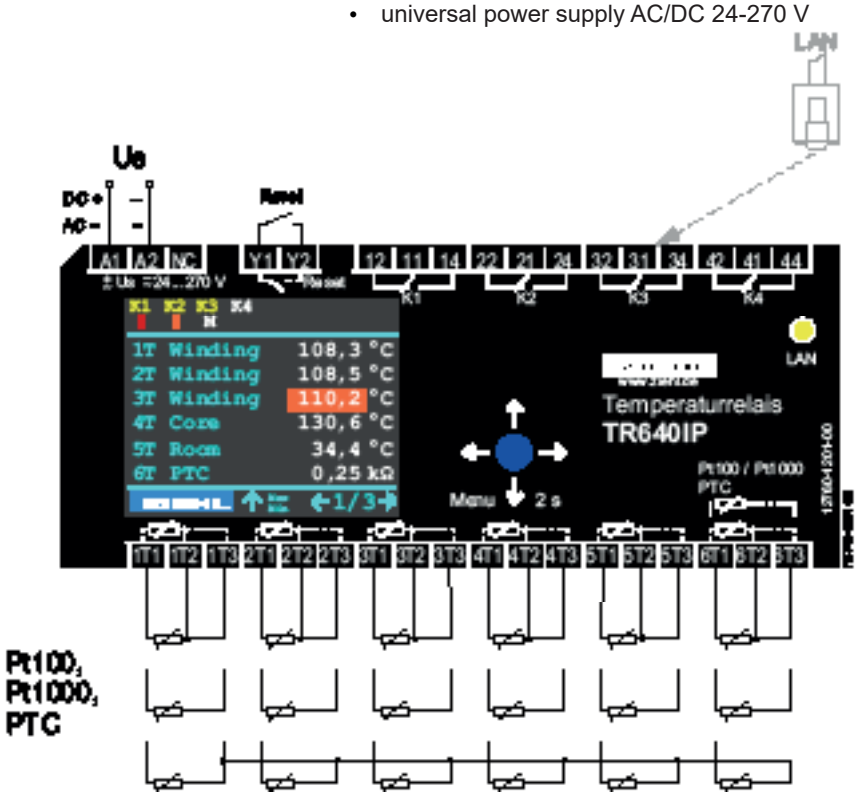
Part number:
T224390

planned availability september 2019

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.

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



Technical data

Rated supply voltage Us	AC/DC 24 - 270 V, 0/50/60 Hz
Sensor connection	6 x Pt 100, Pt 1000, PTC
Type of connection	3-wire, 2-wire (line resistance 0,0...99,9 Ohm)
Monitoring range	-199,9...+800 °C
Switching delay on/off	00:00...59:59 mm:ss
Relay output	4 x changeover contact
Test conditions	EN 61010, EN 61326
Rated ambient temperature range	-20°C...+65°C
Housing	Design V6
Dimensions (w x h x d)	105 x 90 x 58 mm, mounting height 55 mm
Protection housing/terminals	IP 30 / IP 20
Mounting	snap mount on 35 mm DIN rail or screws M4
Weight	app. 250 g