Electronic temperature controller RLCW/48

With digital indication for actual and setpoint, 2 signa

For connection of resistance-thermometers Pt 100

- 11 mm high LED display, resolution: 0,1 / 1,0°C
- control accuracy adjustable
- direct connection of resistance- thermometer Pt 100, 2- or 3-wired
- built-in housing according to DIN 43700 dimensions: 96 x 48 mm, installation depth: 105 mm
- switching to setpoint by pressing button
- floating distant switch contacts 230 V / 6 A
- connection by AMP plug connection 6,3 mm

RLCW/48 digital controller are electronical low-cost-devices with 2 switch contacts in spacesaving version. The contact K1 is the control contact, contact K2 for additional functions like cooling, alarm etc. The actual temperature is shown permanently, setpoint is shown by pressing the button. The values are adjusted by a ten-course potentiometer.

The controller is especially suited for controlling and supervising of temperatures in galvanically bathes, in food industry, but also in many other sectors.

RLCW/48 digital controller displaces conventional dial-thermometers. No defects in case of snapped off capillaries, because between the controller and sensor is an electrical connection! Therefore no downtimes in case of re-purchasing. With water resistant clear plastic door (Add-on "GL") on the frontside (protection class IP 55).

Inputs: Resistance-thermometer Pt 100 DIN in 3- or 4-wire-circuit.
In case of 3-wire-circuit also longer connection cables are useable without adjustment.

Outputs: 2 switch relays with floating distant switch contact, 230 V / 6 A

Control mode: Signal contacts without feedback, switch hysteresis adjustable from 0,3 to 0,8 K

Power supply voltage: 230 V / 50-60 Hz, 24 VAC

Protection circuit: The device is shutting down in case of resistance-thermometer breach.

Actual value-Setpoint indication: LED, 7 segment display 11 mm high

Indication accuracy: ± 0,8% of scale, ± 1 digit

Switch point accuracy: ±0,3%

Ambiente air temperature effect: ± 0,5% / 10K

Allowed ambiente air temperature: 0°C/32°F up to 50 °C/122°F

Contact K1 is adjustable by a rotary switch, contact K2 by a screwdriver. On demand it also can be produced with a potentiometer.
Every contact is shown by a LED. The LED lights, wenn the assigned relay is responded.

Measuring and control range: 0°C…+99°C : 0,1°C, 0°C…+199°C

Type description: RLCW/48 (allways specify the measuring and control range!)