

Control & monitoring

Devices in hazardous areas

Controller Type WRW204Ex ATEX



Advantages

- Safety thermostat monitor
- 16 A switching capacity
- Capillary tube controller with robust switching mechanism
- Control mountable directly in zone 1
- Temperature setting in zone 1 (hazardous area) possible

Areas of application

- Applications requiring temperature monitoring
- Petrochemical industry
- Chemical technology
- Industrial facilities
- Plant engineering
- Machine construction industry

Description

This device is a compact two-position controller. Temperature changes at the sensor cause a volume change of the liquid-filled measuring system.

This results in the movement of a diaphragm which activates a microswitch via a transfer mechanism. If the temperature limit is exceeded, the cut-out will switch off the device permanently. When the temperature has fallen to approx. 9 % below the set value, the contacts can be manually unlocked. In the event of a break of the capillary system, the electric circuit remains permanently open.

Technical data

ID marking	: EEx ed II C T6 or T5
Test certificate	: PTB No. Ex-94.C.1031
Nominal switching capacity	: 3680 W
Nominal voltage	: 250 V /50 Hz
Nominal current	: 16 A ohmic load
Switching output	: Mechanical contacts
Protection standard	: IP 65
Type of contact	: 1 changeover contact
Switching accuracy 0...200 °C	: -0 K to +10 K
Min. sensor temperature	: -10 °C
Max. sensor temperature	: 230 °C
Mains connection	: Screw terminals
Consumer unit connection	: Screw terminals
Sensor	: Through capillary tube firmly connected to switching mechanism
Sensor diameter	: 6 mm
Length of capillary tube	: 1000 mm, material: VA 1.4571
Housing dimensions	: 122 x 120 x 90 mm (w x h x d)
Housing material	: Polyester housing EEx e

● Ordering data

Temperature range	Type
0... 200 °C	WRK 204/20-Ex