

Temperature controller WEXR0025



Controls the temperature in potentially explosive gas or dust atmospheres for zones 1/2 and 21/22 inside the hazardous area.

Specifications		Explosion protection marking
Power supply	60-253 VAC (50-60 Hz)	Marking
load current measured value	max. 25 A (external protection 25 A)	Gas II 2G Ex e ib mb IIC T4 Gb Dust II 2D Ex tb IIIC T90 °C Db
Sensor	PT100 (EX-i) 3- or 2-wire circuit	-20°C ≤ Ta ≤ +40 °C (< 25 A) / +55 °C (<16 A) (ambient temperature)
Intrinsically safe measuring circuit	Ex ib IIC: Uo= 5.9 V, Io= 14 mA, Po= 21 mW max. Co= 42 µF, max. Lo= 99 mH Ex ib IIB: Uo= 5.9 V, Io= 14 mA, Po= 21 mW max. Co= 1000 µF, max. Lo= 725 mH	EC-type examination certificates ZELM 12 ATEX 0497 X IECEx ZLM 13.0001 X
Protection degree	IP 66 acc. to EN 60529	Features
Measuring range	0...450 °C	<ul style="list-style-type: none"> Notification of sensor break and sensor short-circuit Fuse for the control circuit is internally accessible via terminal Measurement display with 7-segment-LED's Switching point accuracy < 1 K Controller hysteresis 2 K Relay output alarm 1 CO contact 5A, 250 V
Cable glands	1x M25 power supply 1x M25 heating cable 1x M16 sensor cable	
Dimensions LxWxH / Weight	160 x 160 x 105 mm / ca. 2.5 kg	
Material	aluminium, mounting on base plate (Enclosure)	Intrinsically safe and galvanic isolation connection of the Pt100 DIN EN 60751 (IEC 60751) resistance thermometer in 3- or 2-wire circuit

Front panel and terminal cover

