

## Controller-limiter and power selector WEXRBL25



Temperature controlling and limiting incl. power selector function in potentially explosive gas or dust atmospheres for zones 1/2 and 21/22 inside the hazardous area.

Specifications		Explosion protection marking
Power supply	230 VAC (50-60 Hz)	<b>Marking</b>
load current measured value	max. 25 A (external protection 25 A)	Gas  II 2G Ex e ib [ib Gb] mb IIC T4 Gb Dust  II 2D Ex tb IIIC IP6X T90 °C Db
Sensor	PT100 (EX-i) 3- or 2-wire circuit	-20°C ≤ Ta ≤ +40 °C (ambient temperature)
Intrinsically safe measuring circuit	Ex ib IIC: Uo= 6.3 V, Io= 22 mA, Po= 35 mW max. Co= 1.5 µF, max. Lo= 10 mH Ex ib IIB: Uo= 6.3 V, Io= 22 mA, Po= 35 mW max. Co= 8.2 µF, max. Lo= 10 mH	<u>EC-type examination certificate</u> TÜV 10 ATEX 556065
Protection degree	IP 64 acc. to EN 60529	<b>Features</b>
Measuring range	0...450 °C	<ul style="list-style-type: none"> <li>integrated temperature switch (switch-off temperature approx. 90 °C)</li> <li>Notification of sensor break and sensor short-circuit</li> <li>Fuse for the control circuit is internally accessible via terminal</li> <li>Measurement display with 7-segment-LED's</li> <li>Switching point accuracy &lt; 1 K</li> <li>Controller hysteresis 2 K</li> <li>Relay output alarm 1 CO contact 5A, 250 V</li> </ul>
Cable glands	1x M25 power supply 1x M25 heating cable 1x M16 sensor cable	
Dimensions LxWxH / Weight	260 x 160 x 135 mm / ca. 6,0 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

