



winkler

APPROVED FOR
ZONE 1/2 (GAS)
ZONE 21/22 (DUST)



DIGITAL ATEX-CONTROLLER-LIMITER- AND POWER SELECTOR COMBINATION WEXRBL25

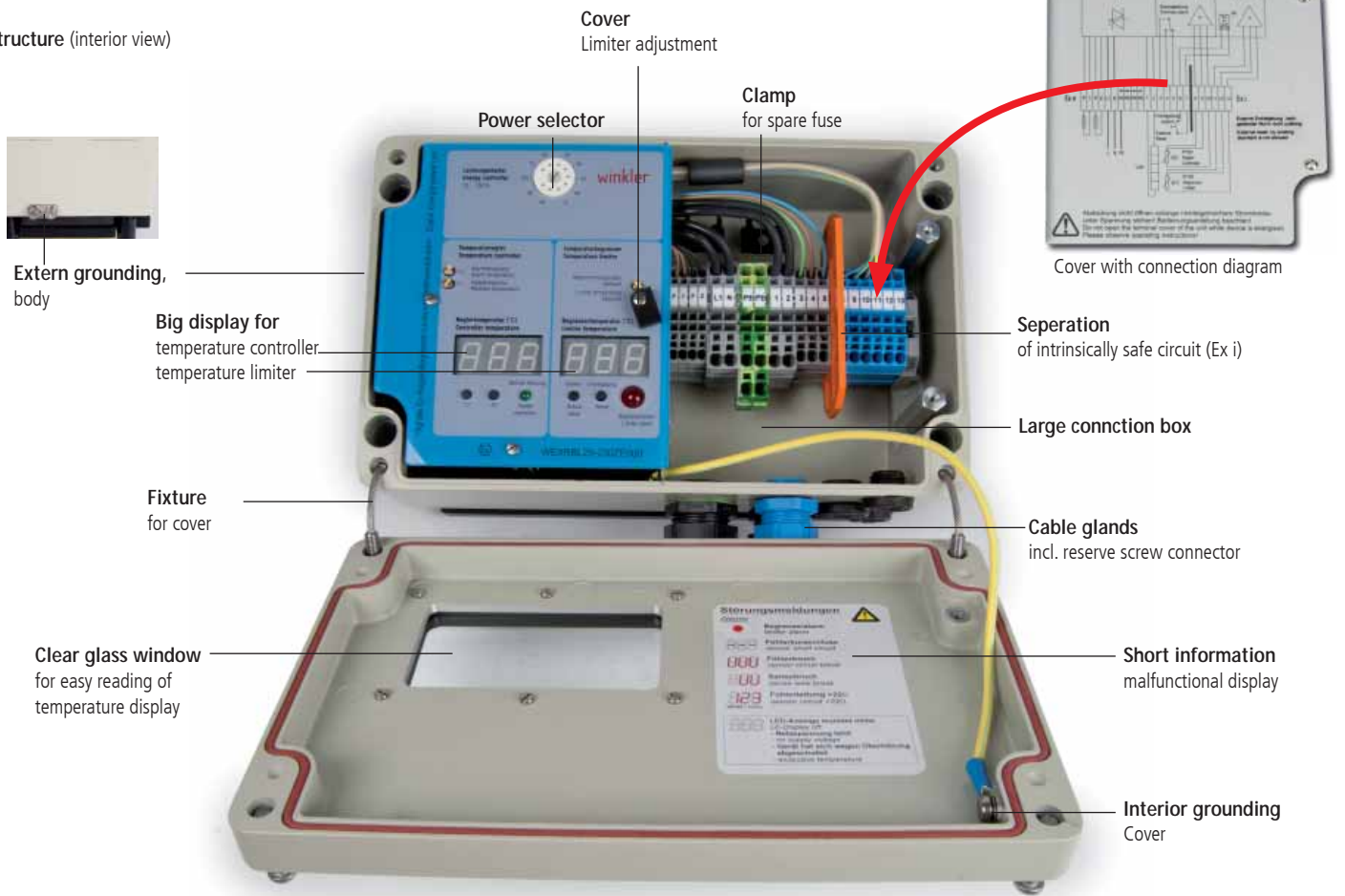


2011-01

Application

Comprehensive solution for controlling and limiting the temperature in areas with potentially explosive gas or dust atmospheres according to **zones 1 / 2** and **21 / 22**, incl. power selector function. Appropriate for ATEX heated lines and heated hoses, ATEX heating mantles and ATEX drum heaters.

Structure (interior view)



Structure (Cable insertion)

Factory terminated cable insertion

Sensors (M20)

Mains supply (M25)

Heater (M20)



Robust body made of aluminum IP64

Additional cable insertions
incl. screw connectors
▶ enclosed accessories

Features and benefits

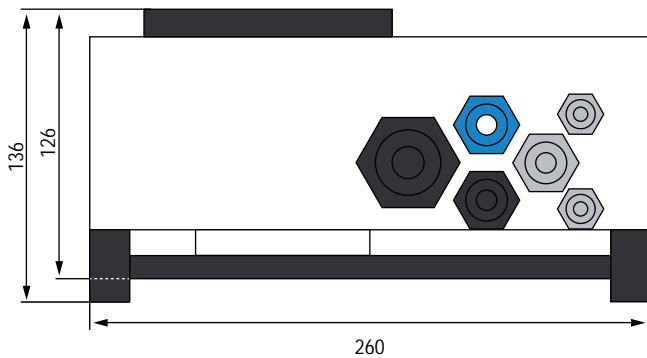
- Approved to zones 1/2 (gas) and 21/22 (dust)
- **Not appropriate for applications in zones 0 (gas) and 20 (dust)**
- Approved to explosion groups IIC hydrogen and IIIC static dust
- Appropriate for temperature classes T1, T2, T3, T4, T5, T6
- Approval / certified to latest standards
 - EN 60079-7:2003 Protection standard - e - high safety
 - EN 60079-11:2007 Protection standard - i - intrinsic safety
 - EN 60079-18:2004 Protection standard - m - encapsulation
 - EN 60079-31:2009 Protection standard - t - protection by body
- Complete documentation



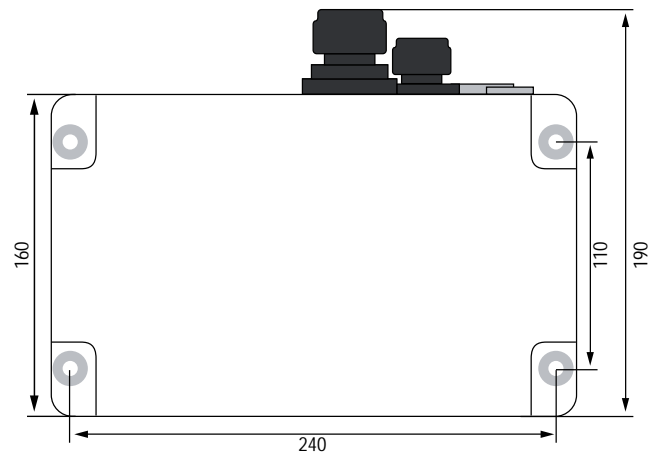
EC-Type examination certificate



Operating manual



Front view



Back view and drilling template

Required for heated lines WEX8... and WEX9... for temperature controlling and limitation.
Adequate for WEX0... to WEX3... for optional temperature controlling and limitation.

Ex-marking:	<ul style="list-style-type: none"> ⊕ II 2 G Ex e ib [ib Gb] mb IIC T4 Gb ⊕ II 2 D Ex tb IIIC IP6X T90°C Db 	Measuring range:	0 ... 450°C
EC prototype test certificate:	TÜV 10 ATEX 556065	Dimensions / weight:	260 x 160 x 135 mm / 6 kg
Supply voltage:	230 VAC (-15% to +10%); 50-60 Hz	Assembly:	Wall mounting, mounting on base panel
Load output:	electronic solid state relay with 25 A nominal current	Housing / protection standard:	Aluminum / IP 64 according to DIN EN 60529
External fuse:	25 A automatic cut out, Typ A, B, C (Siemens), or Z, B, C (ABB)	Ambient temperature:	-20 °C ... +40 °C
Power input:	≤ 11 VA (without load)	Excess temperature protection:	Integrated temperature switch (cut-off temperature approx. 90 °C)
Sensor:	Pt100 DIN resistance thermometer	Profile connection clamps	<ul style="list-style-type: none"> Mains input 0,5..6 mm² (≤ 4 mm² with ferrules) Load output 0,5..6 mm² (≤ 4 mm² with ferrules) Sensors 0,2..4 mm² (≤ 2,5 mm² with ferrules) Reset/signal 0,2..4 mm² (≤ 2,5 mm² with ferrules)
Measuring circuit: - intrinsically safe -	<ul style="list-style-type: none"> [Ex ib] IIC U_o=6,3 V; I_o=22 mA; P_o=35 mW max. outer capacitance 1,5 µF max. outer inductance 10 mH [Ex ib] IIB U_o = 6,3 V; I_o = 22 mA; P_o=35 mW max. outer capacitance 8,2 µF max. outer inductance 10 mH 		

ENCLOSED ACCESSORIES



Additional cable glands
1x M20
2x M16



Bridges
2x bridges for operation with two-wire Pt100



Mounting
4x screws

OPTION



Plug connecting version

OPTIONAL ACCESSORIES

Terminal enclosures for the prolongation of connection cables in potentially explosive atmospheres.
Material: Polyester. For higher ambient temperatures up to 100 °C (available on stock)



Art.-Nr. WZX188EX Terminal enclosure Ex e (mains)
Marking:

- ⊕ II 2G Ex e IIC T6
- ⊕ II 2D Ex tD A21 T+80°C IP66

Equipment: 2 cable glands, 2 blind plugs, 6 terminal blocks
Dimensions (LxWxH): 122 x 120 x 90 mm



Art.-Nr. WZX189EX Terminal enclosure Ex i (Sensors)
Marking:

- ⊕ II 2G Ex ia IIC T6
- ⊕ II 2D Ex tD A21 T+85°C IP66

Equipment: 3 cable glands, 1 blind plug, 7 terminal blocks
Dimensions (LxWxH): 122 x 120 x 90 mm

Winkler GmbH is an independent, medium-sized company located in Heidelberg (Germany). For more than 30 years we have been developing and manufacturing a broad range of electric heating solutions for industry and laboratory applications.

We supply reliable and durable products made of high-quality materials.

We are the right partner for innovative and quick answers to your requirements. Customized solutions and flexible manufacturing are our particular strengths. Our experienced specialists will offer you sound advice and - together with you - develop the heating solution tailored to your application.

Winkler - Your heating solution!



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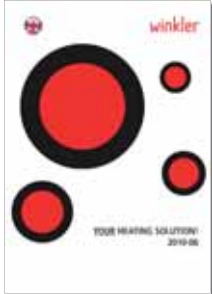
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Our product range



Company presentation



Heated lines & heated hoses



Atex Heated lines



Heated wall bushings



Heated hoses



Heated hoses for Pharma and Food



Heating jackets



Silicone heaters & heating foils



Laboratory heaters



Drum and IBC heaters



Heating Solutions for Rail Applications

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