

EXPLOSION-PROOF THERMOSTATS

EXR-1/21



- ▶ ATEX- and CSA-certified for Zone 1 (gas) and Zone 21 (dust)
- ▶ Easy integration into control cabinets and enclosures
- ▶ High degree of protection IP66 / IP67
- ▶ Precise temperature control
- ▶ Prevents condensation and frost damage

REGULATING



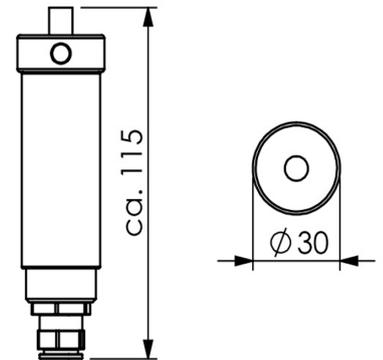
MADE IN GERMANY

The ATEX thermostats ExR-1/21 are specifically designed for use in hazardous areas classified as Zones 1 and 21. They provide precise temperature control and reliably prevent condensation and frost damage in control cabinets and enclosures. Their robust construction makes them perfectly suited for industrial applications in demanding environments. The thermostats are ATEX-certified and meet the highest safety standards.

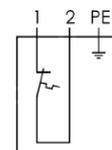
TECHNICAL DATA

Art.-No.	855100	855101	855102	855103
Design	Normally closed (NC)			
Switch-on temperature	5°C ±3K	10°C ±3K	15°C ±3K	20°C ±3K
Switch-off temperature	10°C ±3K	15°C ±3K	20°C ±3K	25°C ±3K
Weight	200g			
Dimensions (ØxL)	30x115mm			
Protection type	IP66 / IP67; EN60529			
Protection class	I (Protective grounding)			
Operating temperature / Storage temperature	-40°C to +60°C			
Mounting connection	Screw-mounting			
Type of connection ¹	0,5m Silicone-Connection cable 3x1,50mm ²			
Housing material	Aluminum housing, black anodized			
Switching rating	max. 253V AC / 10A; 12V-115V AC / 15A; 12V-48V DC / 2A			
Hysteresis	5 K			
Lifetime	max. 253V AC ≥ 100.000 Cycles max. 48V DC ≥ 30.000 Cycles			
Atex-marking (gas)	II 2G Ex db IIC T6 Gb			
Atex-marking (dust)	II 2D Ex tb IIIC T85°C Db			
Max. Surface temperature / Temperature class	< +85°C / T6			
Certifications	CE, UKCA, Atex			

TECHNICAL DRAWING (SPECIFICATION IN MM)



WIRING DIAGRAMM



U	bn (1)	bl (2)	gn/ge (3)
≥ 115V AC	L1	N (L2)	PE

(1) Other cable lengths possible on special request (The cable length must not be less than 0,5 meter)

STATUS: 06|2025

The information on this datasheet contains descriptions and performance characteristics that may not always apply in the specific use case described or may change due to product development. The desired performance characteristics are only binding if expressly agreed upon at the time of contract conclusion. The mentioned technical data has been determined under laboratory conditions according to generally accepted testing procedures. Only to this extent are properties assured. The examination of suitability for the intended purpose or use under operating conditions lies with the customer. We do not provide any warranty for this. Errors, availability, and technical changes are subject to change without notice.