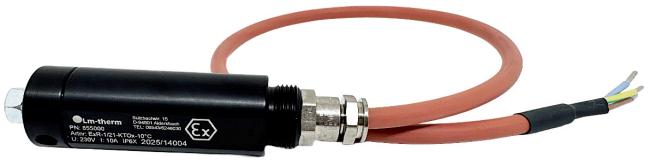
EXPLOSION-PROOF THERMOSTATS

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.

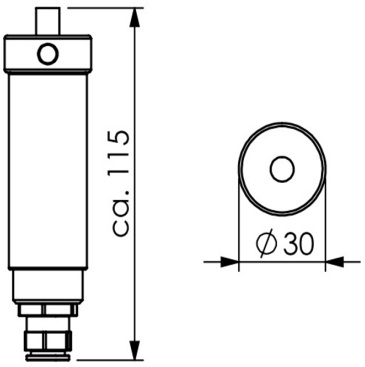
TECHNICAL DATA

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

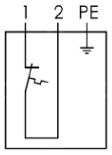
Weight	200g
Dimensions (ØxL)	30×115mm
Protection type	IP66 / IP67; EN60529
Protection class	I (Protective grounding)
Operating temperature / Storage temperature	-40°C to +60°C
Mounting connection	Screw-mounting
Type of connection [1]	0,5m Silicone-Connection cable 3×1,50mm²
Housing material	Aluminum 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

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

TECHNICAL DRAWING (SPECIFICATION IN MM)



WIRING DIAGRAMM



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

STATUS: 06|2025

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