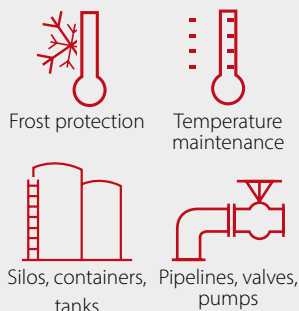




At a glance

Applications



- › Potentially explosive areas
- › Power plants
- › Chemical industry
- › Petrochemical industry
- › Oil and gas industry
- › Pharmaceutical industry
- › Plastics industry
- › Sewage treatment plants

Advantages

- › Wall mounting
- › Sturdy housing IP 65
- › Operation in Ex areas
- › Increased safety through alarm notifications (over- and under-temperature)
- › Heating circuit monitoring
- › Ex-Control handheld operating device

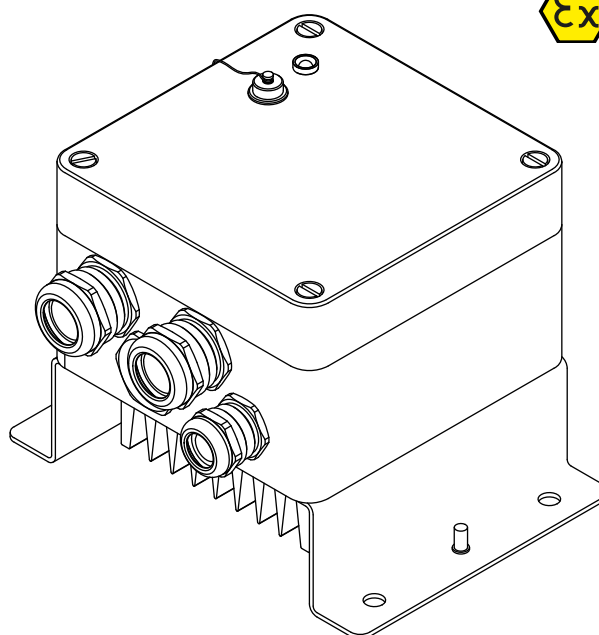
Approvals



- › II 2G Ex emb [ib] IIC T4
- › II 2D Ex tD A21 IP65 T100°C
- › IExU04ATEX1165X

Ex-box REG/LED

Temperature controller with LED



The Ex-Box REG/ electronic temperature controller was specifically designed and developed for use in hazardous areas and is used for electronic temperature measurement and control of electric trace heating systems.

The Ex-Box REG/LED can be installed both inside and outside buildings, directly in the hazardous area.

Programming and operation are performed using the Ex-Control handheld unit. The status is indicated by an LED on the housing cover.

Checklist

Handheld operating device

Ex-control	Handheld operating device for local parametrisation	0X60026
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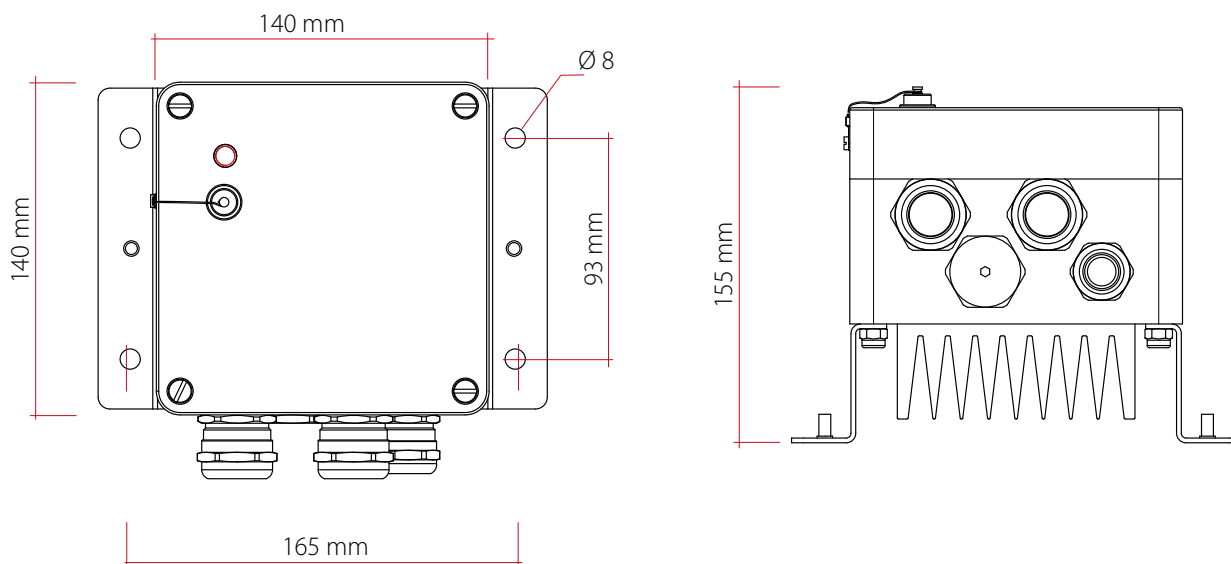
Temperature sensors

ELTF-PT.15	Pt100, [ib], 3-wire, 5x50 mm, PTFE 3.0 m, IP67	0650070
ELTF-PT.2	Double Pt100, [ib], 3-wire, 5x50 mm, PFA 3.0 m, IP65	0650072

Technical Specifications

Operating voltage	230 V AC $\pm 10\%$, 50 Hz
Nominal current	Max. 100 mA
Switching capacity	16 A (resistive load)
Load output	230 V AC/ 16 A, 2-pole
Load separation	2-phase
Ambient temperature	-32 to 60 °C
Measuring range	-40°C up to +300°C
Setpoint temperature range	+50°C up to +300°C
Control response	Two-point
Tracer connection	Pt100 2/3 wires, intrinsically safe
Alarm output	NO, Optically separated 100 mA
Display	Status LED
Housing material	Aluminium
Protection	IP 65
Dimensions	140 x 140 x 150 mm (WxHxD)
Weight	approx. 3.5 kg

Dimensions



Ordering Information

Type	Item no.
Ex-box REG/LED	0X60021