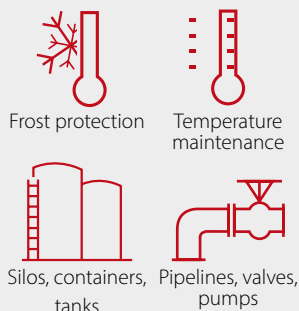




At a glance

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
- › High level of protection against unauthorised setpoint changes
- › Increased safety through alarm notifications (over- and under-temperature)
- › Heating circuit monitoring
- › Display

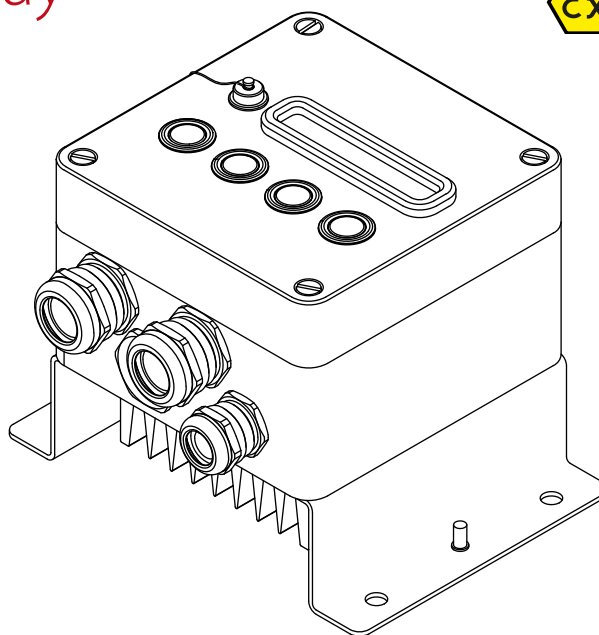
Approvals



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

Ex-box REG/DIS

Temperature controller with display



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

The Ex-Box REG/DIS can be installed both inside and outside buildings, directly within the potentially explosive atmosphere.

Programming and operation are performed via the integrated control panel with display or via the intrinsically safe interface on the housing and the Ex-Control handheld unit. The heating circuit status can be viewed on the integrated display.

Checklist

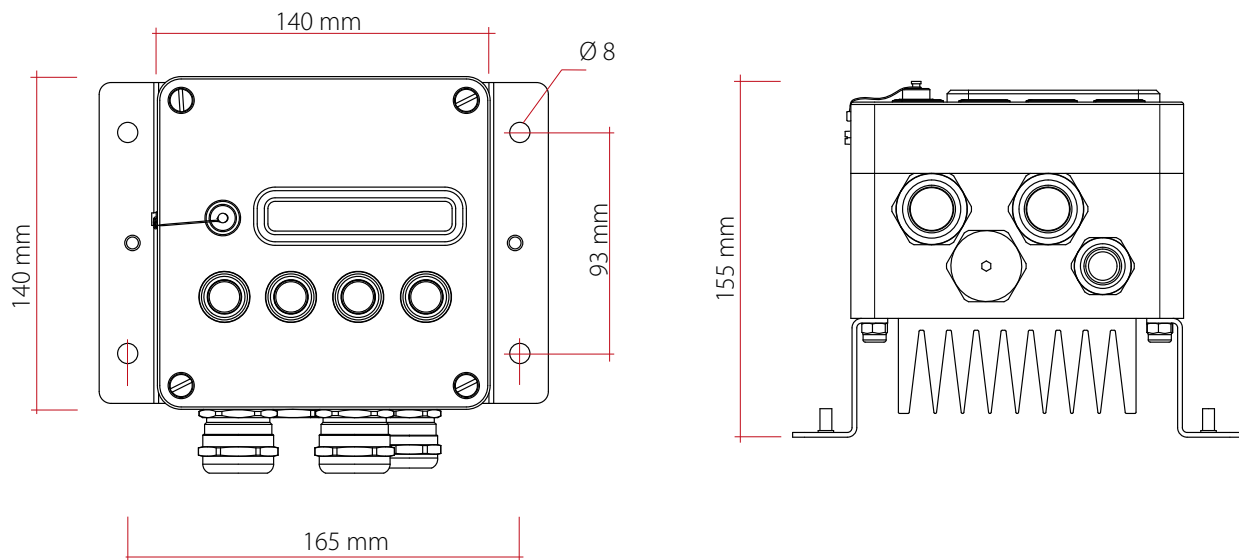
Temperature sensors

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	2 x 4 35-segment display
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/DIS	0X60020