Flameproof
Carbon Monoxide Detector-Transmitter
E2670-CO

IP65 | 4-20 mA 0-10 V | RS485 Modbus

CE

Features

- Aluminium pressure die-casting enclosure
- Suitable for ATEX Zones 2 and 22
- Two analog outputs settable to 4-20 mA or 0-10 V
- RS485 Modbus RTU digital interface
- Relay option

Specifications

Calibration	Carbon monoxide CO
Sensor type	Electrochemical
Sampling method	Diffusion
Typical detection range	0...300 ppm 0...1000 ppm
Maximum overload	2000 ppm
Resolution / digital unit	1 ppm
Response time T90	< 30 s
Sensor lifetime	> 10 years
Maintenance interval	12 months
Signal update	Every 1 second
Self-diagnostics	Full functionality check at start-up
Warm-up time	≤ 1 min
Power supply	12...36 VDC (default), 24 VAC or 230 VAC as options
Power consumption	< 2 VA
Digital interface	RS485, Modbus RTU protocol
Analog outputs	2 × 4-20 mA / 0-10 V, user settable
Output scale width	Recommended: 5-100% of the range; > 10 × resolution in any case
Enclosure	Grey die-cast aluminium, wall-mount, protection class IP65
Dimensions	H155 × W145 × D110 mm
Operating environment	Industrial indoor and outdoor locations ATEX Zones 2 and 22 as well as explosion-safe areas
Operating conditions	-20...+50 °C, 0.9...1,1 atm 0...90% RH non condensing Explosion-safe areas Non-aggressive atmosphere
	NOTE! We offer technical solutions for extreme humidity, please ask for more information.

Relay option (ordering code R)

Output relays	2 × SPST relays (closing contact), 250 VAC / 30 VDC, 5 A max
Default alarm setpoints	RE1 (LOW): set 25; release 20 ppm RE2 (HIGH): set 35; release 28 ppm

Approvals

Enclosure:

ATEX / IECEx
FTZU 03 ATEX 0207U
IECEx FTZU 12.0017U

⟨Ex⟩ II 2 G Ex db IIC Gb
⟨Ex⟩ II 2 D Ex tb IIIC Db

Glands:

ATEX / IECEx
EESF 19 ATEX 023X
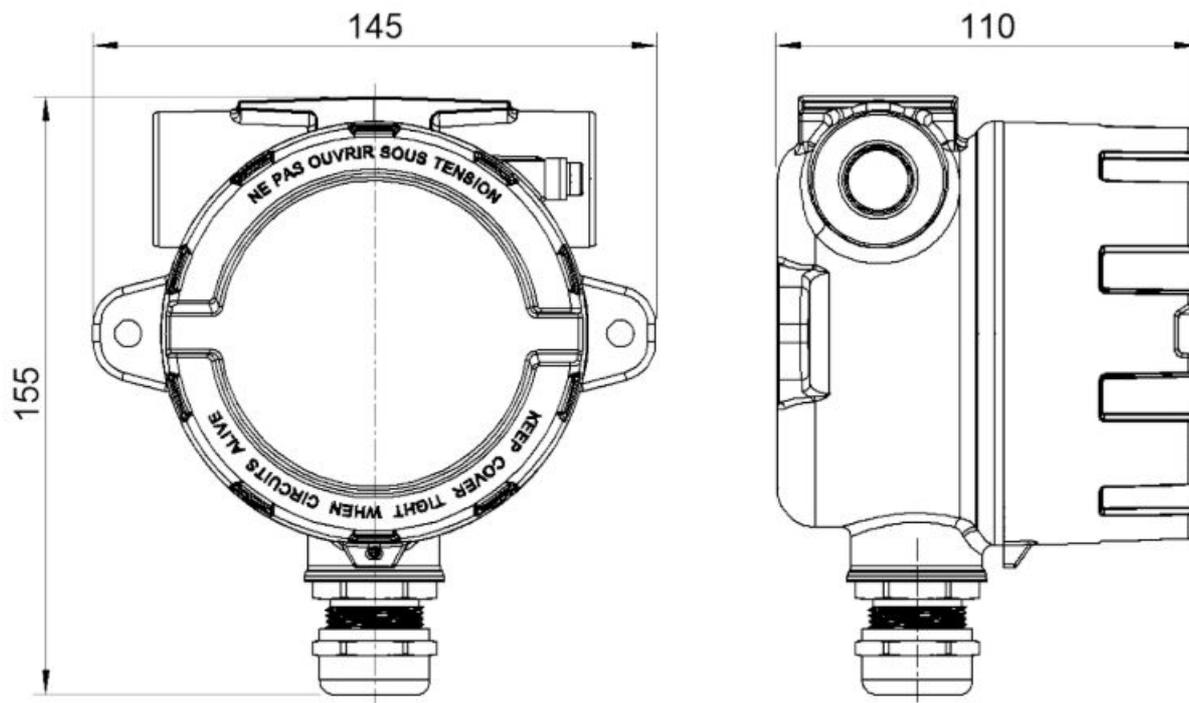⟨Ex⟩ II 2G Ex db IIC Gb
⟨Ex⟩ II 2D Ex tb IIIC Db IP66

CE conformity

Flameproof to IEC EN 60079-0, EN 60079-1, EN 60079-31
EMC Emissions to EN 61000-6-3, EN 61326-1
EMC Immunity to EN 61000-6-1, EN 61000-6-2

Ask for other versions or custom designed products

Dimensions

145

155

110

Mounting holes

127

Ø7