

Flameproof Oxygen Detector-Transmitter E2658-O2-L



Specifications

Calibration	Oxygen O ₂
Sensor type	Optical (fluorescence quenching)
Sampling method	Diffusion
Detection range	0...25% vol
Resolution	0.01 %
Signal update	Every 1 second
Response time T90	< 30 seconds
Maintenance interval	maintenance free under moderate operating conditions
Sensor lifetime	> 5 years
Self-diagnostics	Full functionality check at start-up
Warm-up time	≤ 1 min
Power supply	11...30 VDC or 24 VAC
Power consumption	< 2 VA
Digital interface	RS485, Modbus RTU protocol
Analog outputs	2 × 4-20 mA / 0-10 V, user settable
Enclosure	Grey die-cast aluminium, protection class IP66
Dimensions	H120 × W125 × D57 mm
Protection	flameproof, ATEX: II 2 GD, Ex ed IIC T4 Gb
Cable gland	M25 for SWA cable or steel conduit Ø10...17 mm
Wire conductors	0,5...1,5 mm ²
Operating environment	Industrial indoor and outdoor areas Safe areas and ATEX Zones 2 and 22
Operating conditions	-30...+60 °C, 15...95 %RH
Relay option (ordering code R)	
Output relays	2 × SPST relays (closing contact), 250 VAC / 30 VDC, 5 A max
Default alarm set-points	I (HIGH): set 19.5, release 20.5 % II (LOW): set: 18.0 release 19.0 %vol
Power supply	mains 90...265 VAC power unit (option)

Ask for other versions or custom designed products

Features

- Wall mount robust flameproof metal 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

Approvals

Enclosure:

ATEX / IECEx

DEMKO 13 ATEX 1327771U

Ex II 2 G Ex c IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Glands:

ATEX / IECEx

IBExU08ATEX 1063 X Ex II 1D Ex tD A20 IP 6x Ex

Ex II 2G Ex e II IP68

CE conformity

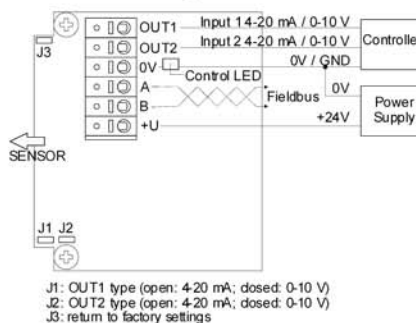
Flameproofed to IEC EN 60079-1

Increased safety to IEC EN 60079-7

EMC Emissions to EN 61000-6-3, EN 61326-1

EMC Immunity to EN 61000-6-1, EN 61000-6-2

Connection diagram for basic version



Connection diagram for version with relays

