

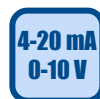
DATASHEET

E2608

Evikon

Distributed by AKRIBIS





Nitrogen Dioxide Detector-Transmitter E2608-NO2



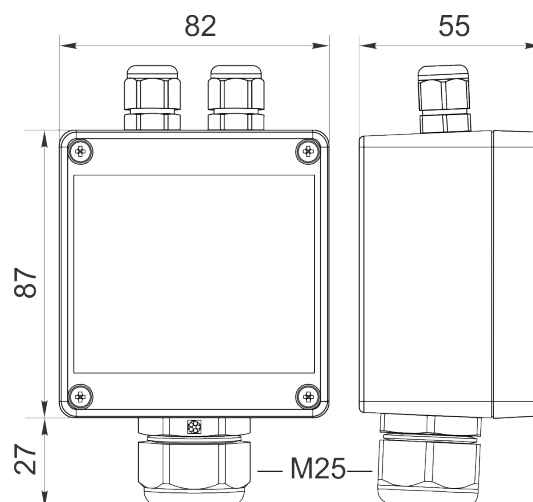
Features

- Wall-mount or duct-mount version
- Industrial IP65 housing
- Two analog outputs settable to 4-20 mA or 0-10 V
- RS485 Modbus RTU digital interface
- Two relays for alarm / ventilation control
- Attached or remote sensor

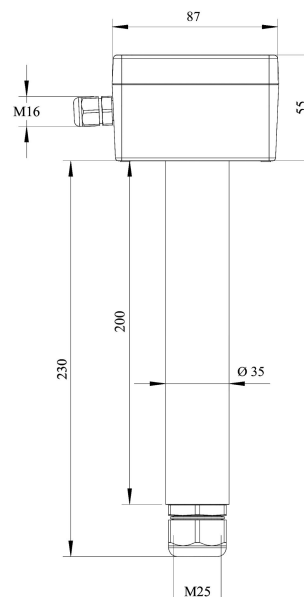
Specifications

Calibration	Nitrogen dioxide NO ₂	
Sensor type	Electrochemical	
Sampling method	Diffusion	
Typical detection range	0...20 ppm	0...200 ppm
Maximum overload	100 ppm	1000 ppm
Resolution	0.1 ppm	1 ppm
Response time T90	< 60 s	<40 s
Operating temperature	-30...+50 °C	-20...+50 °C
Signal update	Every 1 second	
Sensor lifetime	> 2 years	
Maintenance interval	6 months	
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: 20-100% of the range; > 10 × resolution in any case	
Output relays	2 × SPST relays (closing contact), 250 VAC / 30 VDC, 5 A max	
Default alarm setpoints	RE1 (LOW): 3 / 2.4 ppm (set / release) RE2 (HIGH): 6 / 4 ppm For 0...200 ppm determined by user within 5-95% of the range	
Enclosure	Grey ABS plastic, wall mount, protection class IP65	
Dimensions	H87 × W82 × D55 mm	
Remote sensor probe	Protection IP65, shielded cable default cable length 3.0 m	
Operating environment	Industrial indoor and outdoor locations	
Operating conditions	(operating temperature is specified above) 15...90% RH non-condensing; 0,9...1,1 atm; Explosion-safe areas Non-aggressive atmosphere NOTE! We offer technical solutions for extreme humidity, please ask for more information.	

Wall mount version



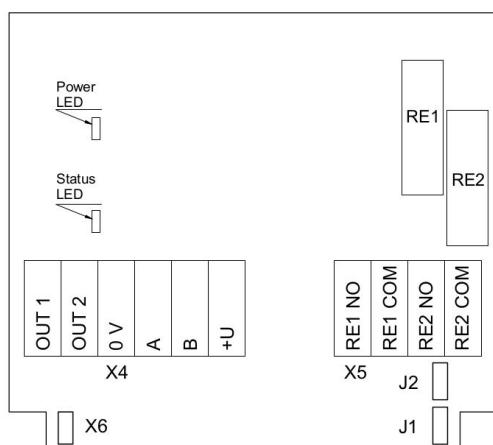
Duct mount version



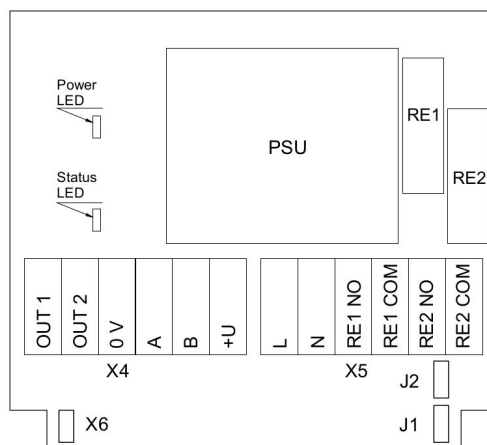
Ask for other versions or custom designed products



Connection diagrams



Version without PSU



Version with PSU

Jumpers

J1

OUT1 type (open: 4-20 mA; closed 0-10 V)

J2

OUT2 type (open: 4-20 mA; closed 0-10 V)

X6

Reset Modbus network parameters to default

X4 terminals

OUT1

4-20 mA / 0-10 V output

OUT2

4-20 mA / 0-10 V output

0V

0 V / 24 VAC Neutral (optional)

A

RS485 A / Data +

B

RS485 B / Data -

+U

+24 VDC / 24 VAC Phase (optional)

X5 terminals (optional)

L

90...265 VAC Phase

N

90...265 VAC Neutral

RE1 NO

Relay 1, normally open terminal

RE1 COM

Relay 1, common terminal

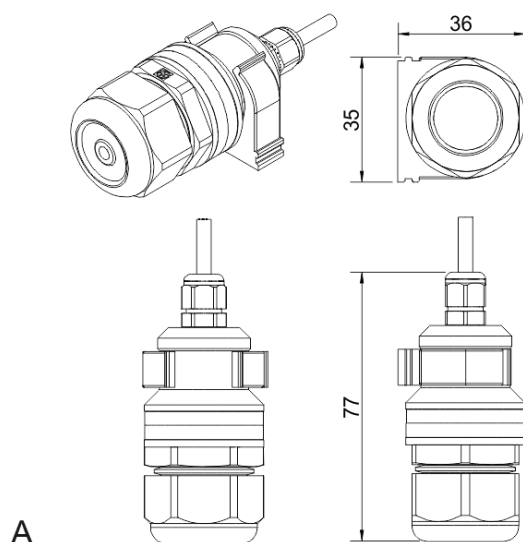
RE2 NO

Relay 2, normally open terminal

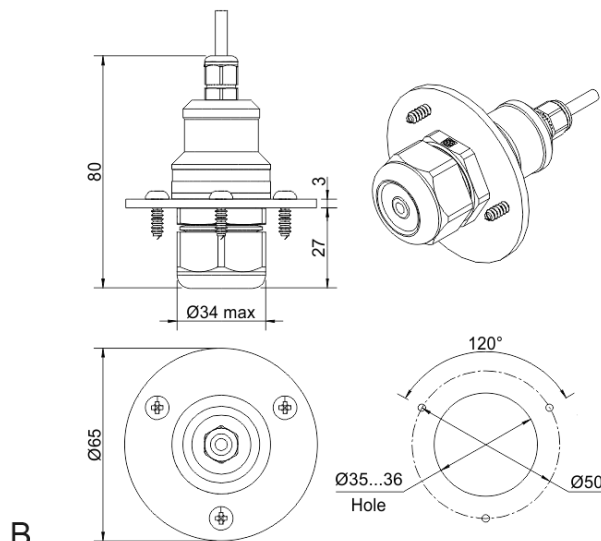
RE2 COM

Relay 2, common terminal

Remote probe



A



B

Wall mount remote probe with fixing clamp (default version)

Remote probe with rubber flange and three self-tapping screws (on request)

