

DATASHEET

E2630

Evikon

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Nitrogen Dioxide Detector E2630-NO2



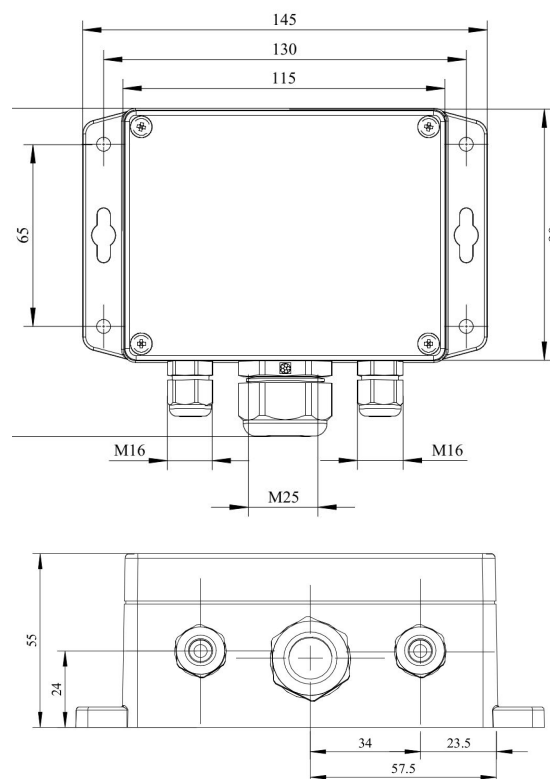
Features

- Accurate and stable measurement
- Wall-mount IP65 protected housing
- Visual and acoustic alarms
- Two output relays for alarm / ventilation control

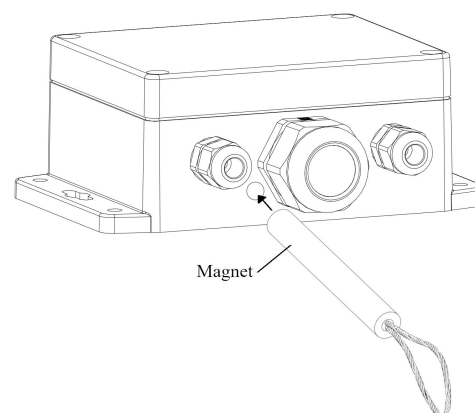
Specifications

Calibration	Nitrogen dioxide NO ₂
Sensor type	Electrochemical
Sampling method	Diffusion
Typical detection range	0...10 ppm
Response time T90	< 60 s
Signal update	Every 1 second
Sensor lifetime	> 2 years
Maintenance interval	6 months
Self-diagnostics	Full functionality check at start-up, testing by magnetic switch
Warm-up time	≤ 1 min
Power supply	24 VDC/AC ±20% (default) or 230 VAC (optional)
Power consumption	< 2 VA
Digital interface	UART
Output relays	2 relays with switch-over contact (SPDT), 250 VAC / 30 VDC, 5 A max
Default alarm set-points (Release - Low - High)	2-3-6 ppm NO ₂
Alarms	Blinking LED, buzzer 85 dB
Enclosure	Grey ABS plastic, wall mount, protection class IP65
Dimensions	H140 × W145 × D55 mm
Operating conditions	-30...+50 °C 15...90% RH non-condensing; 0,9...1,1 atm; Explosion-safe areas Non-aggressive atmosphere

Dimensions



Magnet key



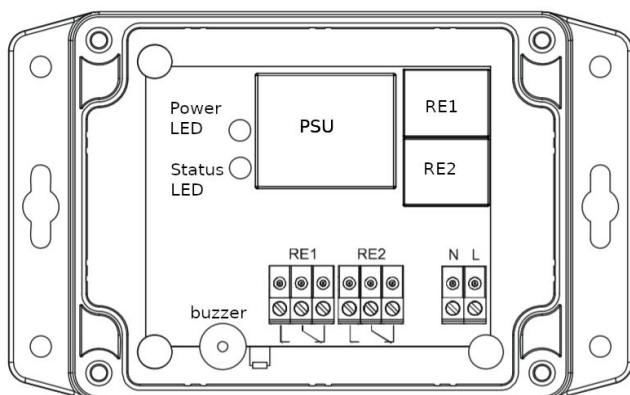
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Connection diagram



Terminals

RE1 NO	Relay 1, normally open terminal
RE1 COM	Relay 1, common terminal
RE1 NC	Relay 1, normally closed terminal
RE2 NO	Relay 2, normally open terminal
RE2 COM	Relay 2, common terminal
RE2 NC	Relay 2, normally closed terminal
L	90...265 VAC Phase (optional 24 VAC / VDC)
N	90...265 VAC Neutral (optional 24 VAC / VDC)

