

## DATASHEET

# E2610

Evikon

Distributed by AKRIBIS



# Carbon Monoxide Detector E2610-CO



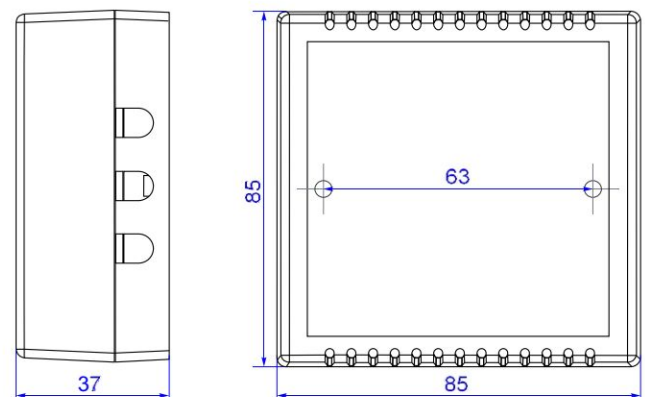
## Features

- Selective, sensitive and stable CO detection
- Compact housing providing optimal airflow
- Visual and acoustic alarms
- Two output relays for alarm / ventilation control

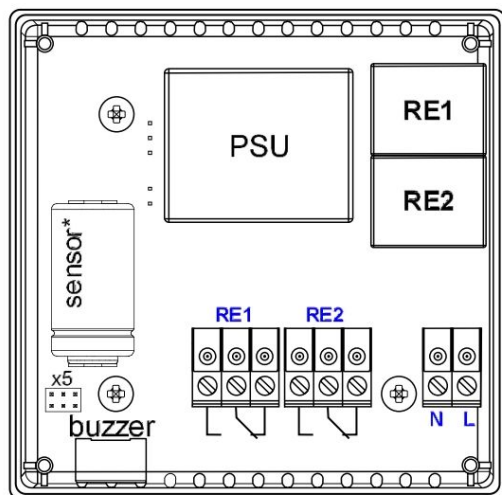
## Specifications

|                                                                             |                                                                                                                      |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Calibration                                                                 | Carbon monoxide CO                                                                                                   |
| Sensor type                                                                 | Electrochemical                                                                                                      |
| Sampling method                                                             | Diffusion                                                                                                            |
| Typical detection range                                                     | Standard 0...200 ppm<br>high 0...1000 ppm CO                                                                         |
| Response time                                                               | ca. 30 s                                                                                                             |
| Signal update                                                               | Every 1 second                                                                                                       |
| Sensor lifetime                                                             | > 10 years                                                                                                           |
| Maintenance interval                                                        | 12 months                                                                                                            |
| Self-diagnostics                                                            | Full functionality check at start-up                                                                                 |
| Warm-up time                                                                | ≤ 1 min                                                                                                              |
| Power supply                                                                | 24 VDC/AC ±20% (default)<br>or 230 VAC (optional)                                                                    |
| Power consumption                                                           | < 2 VA                                                                                                               |
| Digital interface                                                           | UART                                                                                                                 |
| Output relays                                                               | 2 relays with switch-over contact (SPDT),<br>250 VAC / 30 VDC, 5 A max                                               |
| Default alarm set-points<br>for 0...200 ppm range<br>for 0...1000 ppm range | Release - LOW - HIGH<br>18 - 25 - 125 ppm<br>88 - 125 - 250 ppm                                                      |
| Alarms                                                                      | Blinking LED, buzzer 85 dB                                                                                           |
| Enclosure                                                                   | ABS plastic with ventilation slots,<br>protection class IP20                                                         |
| Dimensions                                                                  | H 85 × W 85 × D 37 mm                                                                                                |
| Operating conditions                                                        | -20...+50 °C,<br>15...90% RH non-condensing,<br>800...1200 mbar<br>Explosion-safe areas<br>Non-aggressive atmosphere |

## Dimensions



## Connection diagram



\*Sensors may have different shape and/or size

### Terminals

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

