CO540 ADDRESSABLE CARBONMONOXIDE DETECTOR

CO540 Addressable Carbon Monoxide Detector is the main component of the Carbon monoxide control system and works together with the CO-016 Control panel as a Scada system.

CO540 Carbon Monoxide detectors are designed to detect gas leaks according to the density level in areas such as car parks and tunnels and to report these density levels to the CO-016 Carbon Monoxide Control Panel. The system is designed to detect gas leaks, evaluate and operate ventilation fans and other warning devices at predetermined levels.

Thanks to its microprocessor-controlled design, the CO540 Carbon Monoxide detector can measure with a sensitivity of 2 ppm. The device communicates with the control panel by a single 2-wire cable, it does not need an extra supply cable.

The communication protocol is Redban Addressable Advanced Protocol (RAAP). Thanks to this intelligent communication protocol, the measurement values of each detector are collected by the control panel. In addition, the control panel can set calibration of the dedectors. Thanks to this feature, the control panel has the ability to decide on the coverage area.

TECHNICIAL SPECIFICATIONS

Operating Voltage	:16 - 30 VDC
Operating Current	:<1.2mA @ 24 VDC (average with Led blink)
Max Alarm Current	:<6 mA @ 24 VDC (included Led blink)
Alarm Threshold Value	: CO-016 Set by the control panel
Relay Current Strength	:200mA @24Vdc
Sensitivity	:2ppm
Calibration	:CO-016 Set by the control panel

MECHANICAL SPECIFICATIONS

Humidity	: 10% - 93% Relative humidity, non-condensing
Operating Temperature	: -10°C - +50°C
Coverage Range	: maximum 50 m3
Environmental Class	: IP54

ENVIRONMENTAL SPECIFICATIONS

Width	:125 mm
Height	:105 mm
Depth	:60 mm
Weight	:180 grams

GENERAL FEATURES

- IP54 durable and aesthetic ABS plastic case
- Microprocessor based design
- Production with SMT technology
- Sensitive measurement with 10-bit analog-to-digital conversion
- 10 - 250 ppm measuring range
- Intelligent interactive communication with Redban RAAP protocol
- Programmable address and calibration information in permanent memory
- Programmable with RB1201 programmer
- No external power required
- Calibration mask
- EN 50545-1 Standard