



CMD-501 CMD-502 CMD-503

Carbon monoxide control panels

Description

The CMD-500 carbon monoxide detection system has been designed for use in car parks where CO can accumulate. This system is certified according to the UNE 23300:1984 regulation, which fulfils the requirements of Spanish Royal Decree 2367/1985 and the Spanish Technical Building Code [Código Técnico de Edificación].

The range of CMD-500 carbon monoxide control panels is made up of 3 models: 1, 2 and 3 zones are available to cover all the requirements of small and large installations.

Each module includes a display showing the CO concentration of the zones. Each of them can control the air renewal group manually or automatically. The automatic control lets you work in an advanced mode in which the overall system's power consumption is reduced. In order to obtain this reduction, the module performs algorithms to minimize the air renewal output activations by taking the individual measurement of each detector in the zone.

Each zone module lets you connect up to 32 DMD-500 or DMDP-500 carbon monoxide detectors. The connection to the module is done through 2 wires, the detectors may be distributed along 2,000 meters in length and each detector covers 200 m²; this value is defined as the maximum surface in current legislation.

The CMD-500 system can control a speed regulator through the optional TRMD-500 card. The speed regulator control is focused on minimizing the power consumption of the overall system, and also reduces the noise level of the air renewal group.

Features

- UNE 23300:1984 approved
- LOM 08MOGA3532 certificate
- Modular and expandable system
- 1, 2 and 3 zones per panel
- Concentration indication per zone
- 2 extraction relay outputs per zone
- 1 alarm relay output per zone
- Up to 32 detectors per zone
- Two-wire connection without polarity
- Operating mode for low power consumption
- Control option per speed regulator
- Multi-language keyboard

Applications

Its main application is to activate ventilation systems in car parks or garages, either in a community of neighbors or in large areas.

If you breathe, even in moderate amounts, carbon monoxide can cause death from poisoning in a few minutes, as it substitutes to oxygen in the blood's hemoglobin.

The air renewal in those spaces where there is a high concentration of combustion vehicles is essential to detect the concentration of carbon monoxide in order not to have an intoxication with this gas.

Technical features

Panel	
Power supply:	90-264VAC 45W
Max. zone modules:	From 1 to 3
Zone module:	Measurement range: From 0 to 300 ppm of CO Measurement units: ppm, in 3 digits Module connections: Removable terminal blocks Ø2,5 mm ² Zone connections: 2 wires Maximum zone distance: 2 km 1,5 mm ² wire Maximum detectors per zone: 32 detectors Extraction output level 1: Relay (C, NC, NO) Extraction output level 2: Relay (C, NC, NO) Alarm output: Relay (C, NC, NO) Extraction levels: Selectable from 0 to 299 ppm Alarm level: Selectable from 0 to 299 ppm Operating modes: Automatic (maximum CO concentration) Automatic (average CO concentration) Manual extraction always off (OFF) Manual extraction always on (ON)
Environment	
Operating temperature:	From -5°C to +40°C
Relative humidity:	95% without condensation
IP Index:	IP30
Physical features	
Size:	439 mm x 268 mm x 112 mm
Weight (without batteries):	1,9 kg
Approvals	
UNE 23300:1984	
Certificate number:	LOM 08MOGA3532

Dimensions

