



CMD-501

CMD-502

CMD-503

Carbon Monoxide Control Panel

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.

This system is also equipped with SCADA software which, together with the optional TRMD-501 card, lets you control the system remotely.

Features

- UNE 23300:1984 approved
- LOM 08MOGA3532 Certificate
- Modular and expandable system
- Up to 19,000 m² protected area
- 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
- Working mode for low power consumption
- Control option per speed regulator
- System's remote control option
- Multi-language keyboard

Applications

Car parks or other places where concentrations of CO can accumulate.

Technical features

Control Panel	
Power supply:	90 - 264VAC
Max. zone modules:	from 1 to 3
Zone module:	
Measurement range:	0 to 300 ppm of CO
Measurement units:	ppm in 3 digits
Module connections:	Removable terminal blocks Ø 2.5 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:	443 mm x 268 mm x 109 mm
Size with packaging:	480 mm x 310 mm x 200 mm
Weight (without batteries):	1.9 Kg
Approvals	
Regulation-certified system according to UNE 23300:1984 Official testing laboratory Official laboratory J. M.Madariaga Certificate number LOM 08MOGA3532	

Dimensions

