



# DMD-500

Carbon monoxide detector  
compact version

## Description

---

DETNOV's 500 series of detectors form part of the CMD-500 CO detection system. These have been developed and certified according to UNE 23300:1984 regulation and the Spanish Technical Building Code [Código Técnico de Edificación]

The DMD-500 CO detector has been developed using the latest technological advances. Their novel design makes this range one of the most elegant in the market, ideal for any type of installation and especially for those where a balance between functionality and aesthetics is needed.

The electrochemical cell and the algorithms used to detect the concentration of CO enable the DMD-500 to provide high reliability and precision in CO detection. The DMD-500 has 1 ppm resolution and the detector's response time is less than 10 seconds.

CO detectors are insensitive to polarity and are connected to the CMD-500 carbon monoxide control panels through two wires. Any wiring topology is supported to adapt the system to the installation's requirements. The connection line can support up to 32 CO detectors with a maximum length of 2 km.

The DMDP-500 detector is ideal for use in places where the IP requirement is very demanding (anti-vandalism and dirty environments).

## Features

---

- UNE 23300:1984 approved
- Certificate number LOM 08MOGA3532
- Two-wire connection without polarity
- Electrochemical cell
- 1 ppm resolution
- 10 second response time
- 200 m<sup>2</sup> protected area (limited by regulation)
- 10 years operating life

## 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

Detector		
Technology:		Electrochemical cell
Operating life:		10 years
Resolution:		1 ppm
Response time:		10 seconds
Storage temperature:		From -10°C to +80°C
Protected area:		200 m <sup>2</sup> limited by regulation
Connections		
		2 x 1.5 mm <sup>2</sup> twisted and shielded cable
Environment		
Operating temperature:		From -5°C to +40°C
Relative humidity:		95% without condensation
IP Index:		IP54
Physical features		
Size		93 mm x 93 mm x 55 mm
Material:		ABS
Certification		
		UNE 23300:1984
Certificate number:		LOM 08MOGA3532

## Dimensions

