



DURAN
electrónica

DURPARK

The result of experience



new

New system for the detection of Carbon Monoxide (CO) and Nitrogen Dioxide (NO₂) using a low cost electrochemical sensor. Useful lifetime of up to 5 years (CO) and 3 years (NO₂) and great performance.

protection

Specially designed to protect underground car parks, workshops and garages. Three-wire communication and is addressable.

precision

Each detector individually monitors itself, showing its status on the display in real time. Great reliability and a precision of $\pm 1\text{ppm}$ (CO) and $\pm 0,5\text{ppm}$ (NO₂).

dual

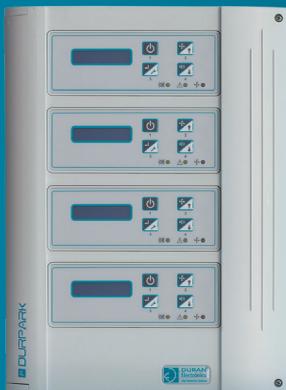
It can detect CO and NO₂ in the same loop, with the possibility of individualizing maneuvers. If it detects presence of both gas detectors, it automatically reprograms to its corresponding levels and maneuvers.

savings

Maintenance procedures for CO detectors have been simplified, which allows verifying sensor sensitivity without the need to apply gas.

Singular

CO AND NO₂ DETECTION IN UNDERGROUND CAR PARKS AND WORKSHOPS



DURPARK

Expandable from 1 to 4 module lines with a maximum capacity of 64 detectors



DURPARK Mini

Not expandable. Admits up to 16 detectors

- Expandable from one to four module lines, all completely independent
- Simultaneous detection of CO and NO₂ in the same loop.
- 16 addressable detectors per module line, with the possibility of programming up to 2 groups, with independent maneuvers.
- CO detectors can cover surfaces of up to 12,800m² (following Spanish standards).
- Each detector is individually monitored, showing its status in real time.
- Detectors can be put in test mode, so they will not trigger a maneuver if they are faulty or lacking maintenance.
- Includes Spanish and Portuguese standards and the possibility of programming four languages: Spanish, Portuguese, French and English.
- Two voltage-free relay outputs for maneuvers and one for alarm, individual per module line, plus a general fault output.
- Each module line has the capacity of memorizing 14 different events, up to a total of 999 for each event.
- Special line test that checks the status, quantity and type of detectors connected.
- Independent access to user and engineer menus, password protected.

DURPARK



CO DETECTOR



NO₂ DETECTOR

CO & NO₂ DETECTORS USING A LOW COST ELECTROCHEMICAL SENSOR

- CO detectors have been designed with a new type of electrochemical sensor, without electrolyte.
- Useful life of up to 5 years (CO) and 3 years (NO₂) needing almost no maintenance.
- Two addressable models available: CO (with a range of 0-300 ppm and a resolution of 1 ppm) and NO₂ (with a range of 0-20 ppm and a resolution of 0.5 ppm).
- Installation distance of up to 500m using 3-wire cable.
- Simple and automated calibration and maintenance procedures. Software is included, with special algorithms that interact with the detectors and module line to automatically calibrate gain and zero.
- Special hardware and software that allow verifying the sensitivity of the CO sensor without the need to apply gas.
- Low sensitivity to interfering gases.



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