

# iQguard Car Park Monitor

Ampcontrol's iQguard car park gas detectors are affordable, solid and robust devices designed for monitoring the level of toxic gasses found in enclosed car park and loading docks.

The iQguard Car Park sensors are small light weight devices and easy to maintain and service. Operation is simple, and they are IP54 rated.

Used in conjunction with a controller, the iQguard Car Park sensors run with variable speed drives on exhaust fans to reduce excess power usage.



## Product Detail

- Easy to install
- Compact and lightweight
- Vandal proof metal design
- Protected to IP54, allowing greater freedom of location
- Wide input power supply range
- Simple to maintain
- Simple sensor removal and replacement

## Features

- + 2 wire loop
- + Simple to install, maintain and use
- + Detector is fully temperature compensated for zero and span
- + Unit requires around 30 minutes from switch-on to achieve stated accuracies
- + Standard Detectable Gasses / Standard Ranges:
  - 0 - 150 ppm (CO)
  - 0 - 10 ppm (NO<sub>2</sub>)

## Application

- + Underground car parks
- + Loading docks
- + Multi-story car parks
- + Confined spaces

# iQguard Car Park Monitor

## Specifications

Detection method	Electrochemical
Sampling method	Continuous diffusion
Gas types	Carbon Monoxide (CO): 0 - 150 ppm Nitrogen Dioxide (NO <sub>2</sub> ): 0 - 10 ppm
Accuracy	± 5.0% of full scale Across the temperature range 10 to 30 degrees centigrade, atmospheric pressure 1013 mbar, 50% RH
Response time	<30 seconds to 90% of step change input
Output signal	4 - 20 ma 800 Ohms max loop res. at 24VDC
Environment	Designed to IP54
Temperature range	- 10°C to + 45°C Do not exceed 45°C
Humidity range	15% to 95% RH non-condensing
Operating pressure range	90 to 110kPa
Operating voltage	9 - 28 VDC
Operating power	96mW TO 480mW at 24V
Connections	2 - wire loop powered
Weight	Approx 250 grams

## Ordering Codes

140178	iQguard Carbon Monoxide Car Park Gas Detector
140181	iQguard Nitrogen Dioxide Car Park Gas Detector