



Product Data Sheet

KM301

Carbon Monoxide Control Panel for Car Parks - 1 Zone

General

The KM301 is a 1 Zone Carbon Monoxide (CO) detection control panel designed for applications where concentrations of CO may accumulate and needs to be controlled in order to protect lives. The panel is able to accommodate 1 supervised detection zone using KM170 or KMD300 CO detectors.

The panel is compliant with UNE 23-301-88, CE, WEEE and RoHS.

Installation

The KM301 may be used in installations where the zone may cover as much as 4500 m². A zone can supply power to and control up to 15 x KM170 or KMD300 CO detectors via a 3-wire bus using 1.5 mm² cable. Installation of these detectors may be in a single line (Class-B) or as a Class-B line with T-Offs and each device is individually monitored.

Indications & Controls

The zone is supplied with a 3 x 7 segment display that indicates the current CO reading from that zone. General indicators show the current operational status of the zone with alarm and extraction LEDs indicating when the warning and alarm thresholds are reached. General operation LEDs indicate the current overall system status.

The zone may be turned ON or OFF, placed into test mode or configured from the front panel user interface.

Alarm Outputs

The zone has 3 mains rated potential free relay outputs to control different levels of ventilation or extraction functions:

- 2 x Extraction/ventilation control relays
- 1 x General alarm relay

The operation of these relays is determined by configurable level and mode settings.



Standard Features

- Elegant design
- 1 Supervised CO detection zone
- Easy to install and to use
- Language customisation using language inserts
- Clear and accurate display of CO levels per zone
- Up to 15 detectors per zone
- Fast response times
- Extraction and alarm outputs per zone
- Supervision of all CO detectors and zones
- Using surface mount technology with low current consumption
- Compatible with KM170 and KMD300 CO detectors
- UNE 23300:1984, CE, WEEE and RoHS compliant
- External and internal power supply support

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Specifications

Power supply	
Mains supply	230 VAC ±10% 50 Hz
Power consumption	95 W (max)
Zone specifications	
Zone input voltage	10 - 20 VDC
Supply current (max)	1 A
CO Sensitivity	0 - 300 ppm
Cable requirement	3 core 1.5 mm ²
Cable length (max)	300 m
No. of detectors (max)	15
Relay specifications	
No. of relays per zone	3
Contact rating	5 A @ 30 VDC or 8 A @ 250 VAC
Switching power (max)	150 W
Environmental	
Working temperature	0°C to +40°C
Storage temperature	-10°C to +70°C
Relative humidity (noncondensing)	10% to 95%
Physical	
Housing (w x h x d)	297 x 307 x 109 mm
Weight	3 kg
Cable entry	
Top	4 x Ø 20 mm

Power supply

The KM301 has a built in 230 VAC power supply. Should battery backup of the system be required, and external 12 VDC power source is supported.

Ordering Information

Part No.	Description
KM301	Carbon Monoxide Control Panel for Car Parks - 1 Zone
PM812	Boxed power supply, 12VDC 2A

