

KM303

Carbon Monoxide Control Panel for Car Parks - 3 Zones

General

The KM303 is a 3 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 3 supervised detection zones using KM170 or KMD300 CO detectors.

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

Installation

The KM303 may be used in small and large installations. Any zone may cover as much as 4500 m², leaving this panel the capability to cover up to 13500 m² of floor space. 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

Every 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 that zone with alarm and extraction LEDs indicating when the warning and alarm thresholds are reached. General operation LEDs indicate the current overall system status.

Every zone may be turned ON or OFF, placed into test mode or configured from the front panel user interface without affecting any of the other zones.

Alarm Outputs

Every 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
- 3 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

KM303

Carbon Monoxide Control Panel for Car Parks - 3 Zones

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) | 420 x 336 x 118 mm |
| Weight | 4.65 kg |
| Cable entry | |
| Top | 10 x Ø 20 mm |

Power supply

The KM303 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 |
|----------|---|
| KM303 | Carbon Monoxide Control Panel for Car Parks - 3 Zones |
| PM814 | Boxed power supply, 12VDC 4A |



www.gesecurity.eu