UTC Fire & Security
A United Technologies Company

Product Data Sheet

KMD300
300 Series Carbon Monoxide (CO) Detector and Base

General

The KMD300 detector is designed as a carbon monoxide detector for the KM260 and KM300 CO detection systems. The KMD300 is an intelligent device that delivers is carbon monoxide reading to the control panel for visualization via a 3-wire bus system.

The Package

The detector is supplied complete as a detector head and a deep connection base. The base allows for rear and side entry, including 20 mm surface mount conduit.

Funtionality

The KMD300 microprocessor based technology supports a resolution of up to 1 ppm. Since every detector adapts to the specific characteristics of its own sensor, it improves reliability, avoids unwanted activation of the ventilation relays resulting from small, short bursts of CO, and reduces test and maintenance times.

Low consumption in standby makes it possible to allow for up to 15 detectors per area. Using the KM260 or KM300 series control panels, problem reporting for events such as power supply issues on the detector or the unauthorised removal of a detector from its base are available.

KMD300 detectors may be installed in line (Class-B), in tree or star configurations.

Indications

The KMD300 has a bi-colour diagnostic LED indicator for indicating the following statuses:

Normal operation (flashing green light)
Over 50 ppm of CO detected (constant red light)
Fault condition (flashing red light)

Standard Features

- Complies with UNE 23300:1984, CE, WEEE, RoHS
- Microprocessor based, SMT technology
- Electrochemical CO sensor with high gas discrimination
- Resolution of up to 1 ppm, less than 5% error in measurement
- Fast response time
- No calibration required
- Low current consumption
- BI-Colour diagnostic LED
- Supported by both KM260 and KM300 CO panels

KMD300

300 Series Carbon Monoxide (CO) Detector and Base

Specifications

Sensor type	Electrochemical
Useful life	5 years
Detection range	0 to 300 ppm
Electrical	
Supply voltage	10 to 20 VDC
Quiescent current	6 mA
Alarm current	15 mA
Environmental	
Operating temperature	-10°C to +40°C
Storage temperature	-10°C to +70°C
IP Rating	IP42
Relative humidity	10 to 95%
Mechanical	
Size including base (Ø x h)	124 x 62 mm
Weight	300 g
Installation	
Number of detectors per zone	< 15
Coverage (max.)	300 m²

Ordering Information

Part No.	Description
KMD300	300 Series Carbon Monoxide (CO) Detector and Base

UTC Fire & Security
A United Technologies Company