

CO2 ALERT MK10 DETECTOR SET 2 A (UL)

CO2 Alert Mk10 Detector including Horn/Strobe



FUNCTION

The ALERT Mk10 is a CO2 monitor with integrated sound and light Alarm indication, designed to measure CO2 concentration in a confined space environment. It provides an alarm in the event that a CO2 level considered unhealthy/dangerous in accordance with existing safety codes, in the area being monitored.

Installed properly, 12 inches from the floor, the ALERT Mk10 will continuously monitor the CO2 concentration that it is exposed to. A Light Emitting Diode (LED) indicates that the ALERT Mk10 is running properly. The ALERT Mk10 performs a self-calibration at regular intervals insuring calibration under normal circumstances. This eliminates the need of manual service calibration in a normal restaurant environment.

APPROVALS

CE, EN55022 :2006/A1 :2007, EN55024/A2 :2003, EN61000-3-2 : 2006, EN61000-3-3/A2 :2006, AS/NZS CISPR 22 :2006, IEC/EN :IT55022/55024, LNE Règle de certification NF 128 rev 12 Nov 2007 (§2.1.2.4.3.) for the S8 CO2 Sensor Module. UL Certified.

In the United States, the ALERT Mk10 system is in compliance with International Fire Code (IFC) 2015 Edition Section 5307.5.2.2, CGA G-6.5 2013, NFPA 55 2013 Edition 13.2.2 and NBIC Part 1 Supplement 3 S 3.4.

In compliance with EU Commission Directive 2006/15/EC of 7 Feb 2006 as well as OSHA – PEL (Permissible Exposure Limit) of TWA for CO2.

TECHNICAL DATA CO2 ALERT MK10

Operating Principle:	Non-dispersive infrared (NDIR)
Measurement range:	0.04 to 6,7% volume CO2
Accuracy:	+/-0,02% volume CO2 + -5% of reading
Operating temperature:	0 to 50°C (Sensor works from -20°C but values valid only for 0-50 °C)
Operating humidity:	0-95% RH non condensed
Storage temperature:	-40 to + 70 °C
Power supply:	24V DC ± 10%
Power consumption:	600 mA peak, 30 mA average
Serial communication:	Modbus protocol over RS485
Output:	Two 24 volt transistor outputs
Automatic calibration:	60 days
Weight:	400 grams
Dimension:	Ø 90 mm, height 120 mm
Ingression protection:	IP44

TECHNICAL DATA HORN/STROBE

Nominal voltage:	18-24V DC
Average current:	120 mA @ 24V DC supply
Decibel:	110 dB / 1 m
Flash intensity:	115 CD
Flash frequency:	65/min
Ambient temperature:	-5°C to +50°C (+23°F to +122°F)
Dimensions (LxWxD):	134 x 115 x 61 mm / 5.3" x 4.5" x 2.4"
Ingress protection:	IPX0

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ORDERING EXAMPLE

Description	Item code
CO2 Alert Mk10 Detector SET 2 A (UL)	2025

CO2 Alert Mk10 Detector SET 2 A (UL) consists of:

CO2 Alert Mk10, incl. 1 Cable blue 10m
and 1 Cable red 5m

Protect bar

Horn/Strobe LED with 1m cable

RJ45 1-1 split

Transformer 1A

Plug-UL for transformer

Plug-lock

Bag with 6 screws and plug

Sign CO2 Alert Mk10

Sign Horn/strobe Mk9/10

Installation manual Mk10

Quick-guide Mk10

ACCESSORIES

Description	Item code
CO2 Central Unit Mk9 KIT 4 A	0328

CO2 Central Unit Mk9 KIT 4 A consists of:

CO2 Central Unit Mk9, incl. 1 Cable red
5m

RJ45 1-2 split

Sign CO2 Safety System Mk9