

CO2 MK9 DETECTOR SET 4 A

CO2 Safety System SET 4 A



TECHNICAL DATA

Power supply:	12-24V DC
Number of sensors:	1-8
Communication:	RS485 Modbus
Automatic calibration:	60 days

For further data see separate data sheets for the specific components.

ORDERING EXAMPLE

Description	Item code
CO2 Mk9 Detector SET 4 A	2049

CO2 Mk9 Detector SET 4 A consists of:

CO2 Central Unit Mk9	0311
Cable red 5m	0717
CO2 Sensor Mk9	1134
Cable red 10m	0724
Cable blue 5m	0731
Horn/Strobe LED with 1m cable	0434
RJ45 1-1 split	0519
RJ45 1-2 split	0526
Transformer 1A	0021
Plug-UL for transformer	
Plug-CE for transformer	
Plug-AU for transformer	
Plug-UK for transformer	
Plug-lock	
Bag with 6 screws and plug	
Sign CO2 Safety System Mk9	1240
Sign Horn/strobe Mk9/10	1264
Installation manual Mk9	
Quick-guide Mk9	

FUNCTION

The Carbon Dioxide (CO₂) Safety System is 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.

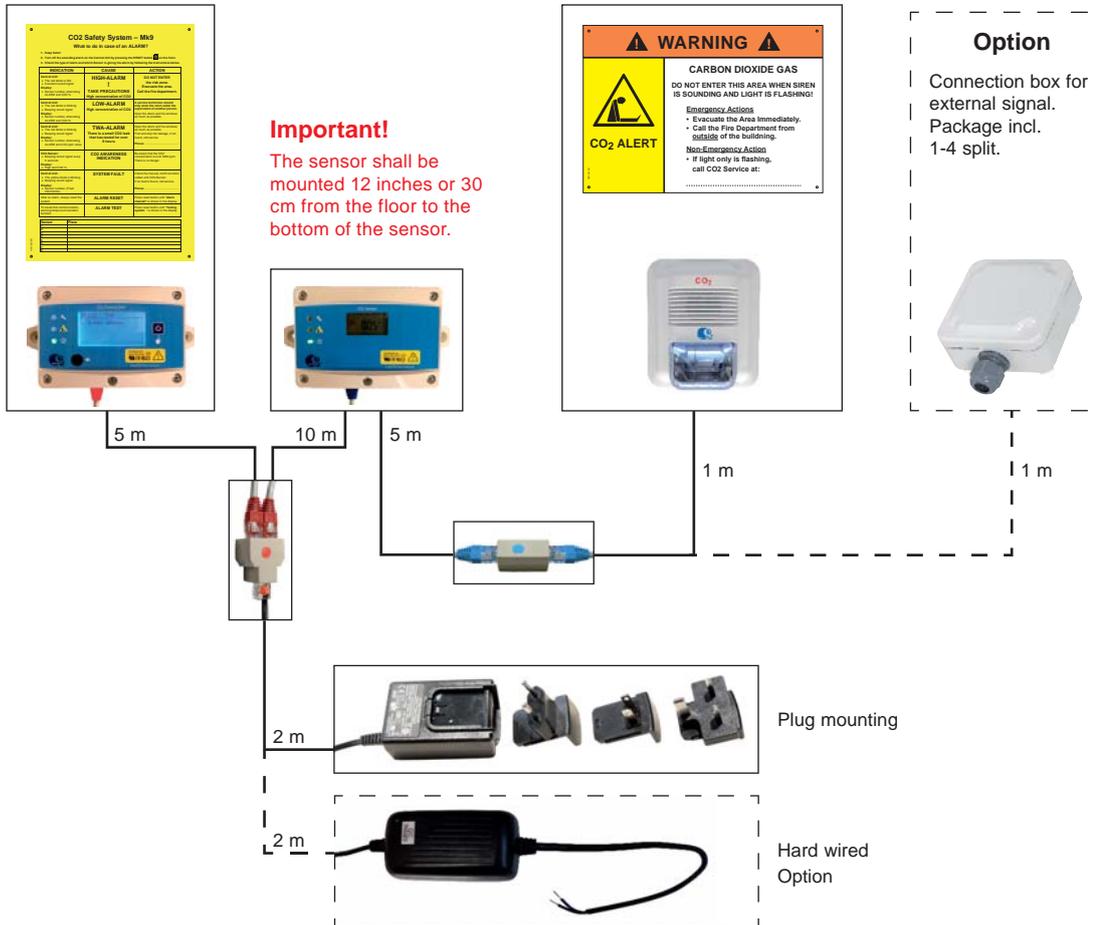
The basic CO₂ Safety System is a precision instrument comprising one central unit (with a digital display), one (up to eight) sensor unit, one horn/strobe. A separate electronic transformer supplies power to the system. The sensor unit uses infrared analysis for detecting CO₂. The System monitors STEL as well as TWA levels of CO₂. The system also provides visible indication of CO₂ levels and temperature in the area where the remote sensor is located. It is displayed on a screen of the Central Unit in most languages. Explaining what to do in different Alarm situations. The CO₂ Safety System 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.

When installed properly, the CO₂ Safety System will continuously monitor the CO₂ concentration and temperature wherever a sensor unit is located. A green light emitting diode (LED) on the central unit indicates normal safe conditions. If ambient conditions at the sensor unit reach a CO₂ concentration level of 1.5% (preset low alarm), the central unit will emit an intermittent audible tone and the « low alarm » red LED will blink. A remote Horn/Strobe will be activated. This will also happen if the TWA for 8 hours also surpasses 5000 ppm. The difference can be acknowledged on the display.

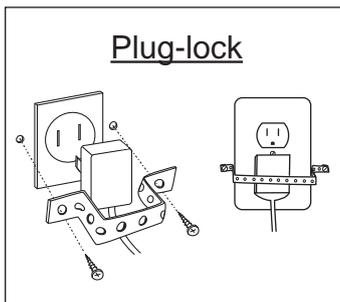
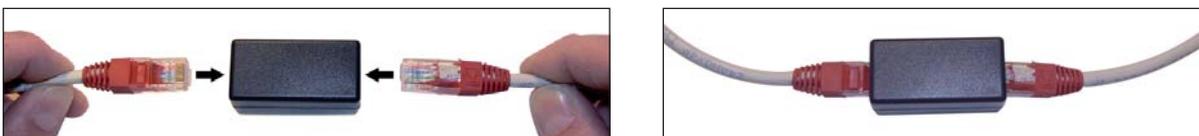
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CO2 Safety System SET 4 A

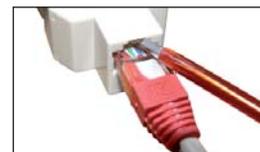
Connection diagram



CABLE EXTENSION CONNECTOR



Cut off the prolongations of the lock-release on the RJ45 connectors to secure unauthorized disconnection of the CO2 Safety System.



Use a small screwdriver to disconnect the RJ45 plugs.