

1-ZONE CONTROLLER FOR MONOXIDE ANALYSIS AND CONTROL

AE/CO-Z1M

Description

The AE / CO-Z1M control unit is a microprocessor device designed to measure and analyze the level of carbon monoxide particles, CO, detected in the air. It has been designed according to the UNE-23-300-84 standard "Carbon monoxide concentration detection and measurement equipment".

The control panel can control up to 10 detectors, which are in permanent communication with the control panel, reporting the concentration of CO in particles per million (p.p.m.) that exists in its area of influence.

When the concentration is higher than the one set by means of a manual switch, the control unit starts the ventilation of the room, and switches it off when the monoxide level drops to allowable values.

This control unit enables a second independent ventilation group to be activated, if the first ventilation group fails to reduce the concentration of carbon monoxide.

The equipment also has a third level of detection that allows us to trigger an alarm when the CO concentration exceeds the pre-set levels in the control unit. This level is programmed at 150 p.p.m.

It has a switch that allows us to activate the first ventilation group manually, regardless of the CO level that is being detected at that time. It also incorporates some connection terminals through which we can connect a manual remote activation button for extraction several meters away from the control unit.



TECHNICAL CHARACTERISTICS

Supply voltage:	230 V / 50 Hz.
Power:	75 W.
Auxiliary voltage output:	12 Vdc / 500 mA.
FUSES:	F1 MAINS FUSE 0.5 A. F2 DETECTOR ZONE FUSE: 0.5 A. F3 12 Vdc 1A OUTPUT FUSE.
CONTROLS:	CO LEVEL switch: Adjust in 10 steps from 25 to 250 p.p.m. Extraction switch: AUTOMATIC-DISCONNECTED-MANUAL. Service switch.
INDICATORS:	ALARM Red FAULT Yellow LEVEL CO Red EXTRACTOR 1 Red EXTRACTOR 2 Red SERVICE Green COMMUNICATIONS Green
OUTPUTS:	EXTRACTOR 1: Voltage free contacts (C - NO) EXTRACTOR 2: Voltage free contacts (C - NO) GENERAL ALARM: Free voltage contacts (C - NC - NO)
APPROXIMATE DIMENSIONS:	HEIGHT: 245 mm x WIDTH 330 mm x DEPTH: 120 mm.
DETECTORS AREA:	MAXIMUM NUMBER OF DETECTORS: 10 WIRING: 2 X 1.5 mm ² (positive and negative) 2 X 0.5 mm ² (communications) COVERAGE PER DETECTOR: 200 m ² maximum INSTALLATION HEIGHT: From 1.5 to 2 m. DISTANCE FROM THE CENTRAL TO THE LAST DETECTOR: 200 m.