



CCO1-4 Control panel

CARBON MONOXIDE DETECTION SYSTEM



COsensor CCO1-4 control panel constitute an electronic equipment capable of detecting the presence of carbon monoxide (CO) at a local (parking, workshop, tunnel,...) and to measure its exact concentration, expressed in parts per million. The system is capable of piloting an extraction of smoke (ventilation) or triggers an alarm, depending on the level of concentration of CO detected.

The components are integrated into a metal box of 418 x 324 x 120 mm with door metal and equipped with adhesive cover with the corresponding signs and acoustic signals, as well as the different buttons on the remote control.

COsensor CCO1-4 control panels have a structure by area (up to four zones and 22 detectors/zone) where each detection zone is formed by a line of 2-wire through which the detectors feed.

The control panel simultaneously displays the highest concentration of CO on each detection zone, activate the ventilation output when CO level exceeds a certain level (level of ventilation). When the control panel detects a level of greater than 300 ppm (alarm level) monoxide activates the alarm output. Both the level of ventilation and delays for the activation of outputs (delay of ventilation and alarm delay) can be programmed through the plant.

The control panel also allows the manual activation / deactivation of the ventilation, permanently or timed

CCO115 control panels support version DVB (dual ventilation and batteries), allowing them to control 2 independent outputs optimizing the functioning of the system of ventilation depending on the concentration of CO.

The interface with the user is achieved through a liquid crystal display illuminated (for two or four lines, depending on the number of deployed areas) and a four-key membrane keypad.

The system complies with UNE 23300 concerning the detection of carbon monoxide measurement and control system.

TECHNICAL FEATURES

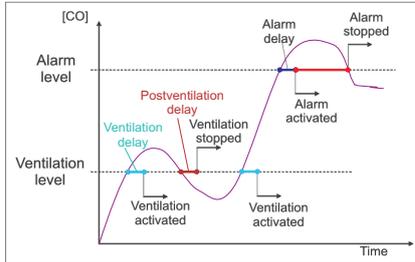
<i>Power supply</i>	230V/AC	<i>Max. ventilation current</i>	2 A
<i>Supply fuse</i>	4 A	<i>Ventilation output</i>	Dry contact 2 A max.
<i>Consumption without detectors</i>	6 W	<i>Max. consumption of the system</i>	62 W
<i>Max. number of detector per zone</i>	22 detectors	<i>Battery capacity (DVB)</i>	2 X 12V 7 Ah SLA
<i>Line voltage</i>	26V	<i>Batteries charger</i>	500 mA 27V/DC 20°C
<i>Zone fuse</i>	2 A	<i>Environmental conditions</i>	-10°C +50°C 20%-95% RH
<i>Alarm output voltage</i>	22V	<i>Size</i>	418 x 324 x 120 mm
<i>Max output current of every alarm outputs</i>	0,8 A	<i>Weight</i>	7,5Kg CCO122 to
<i>Alarm output fuse</i>	Resettable		9,1Kg CCO422

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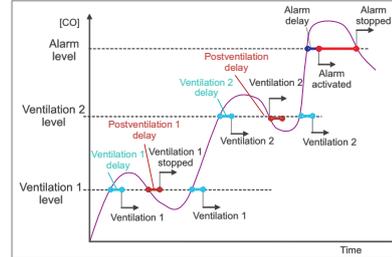
Wiring diagram



CCO122 ... CCO422



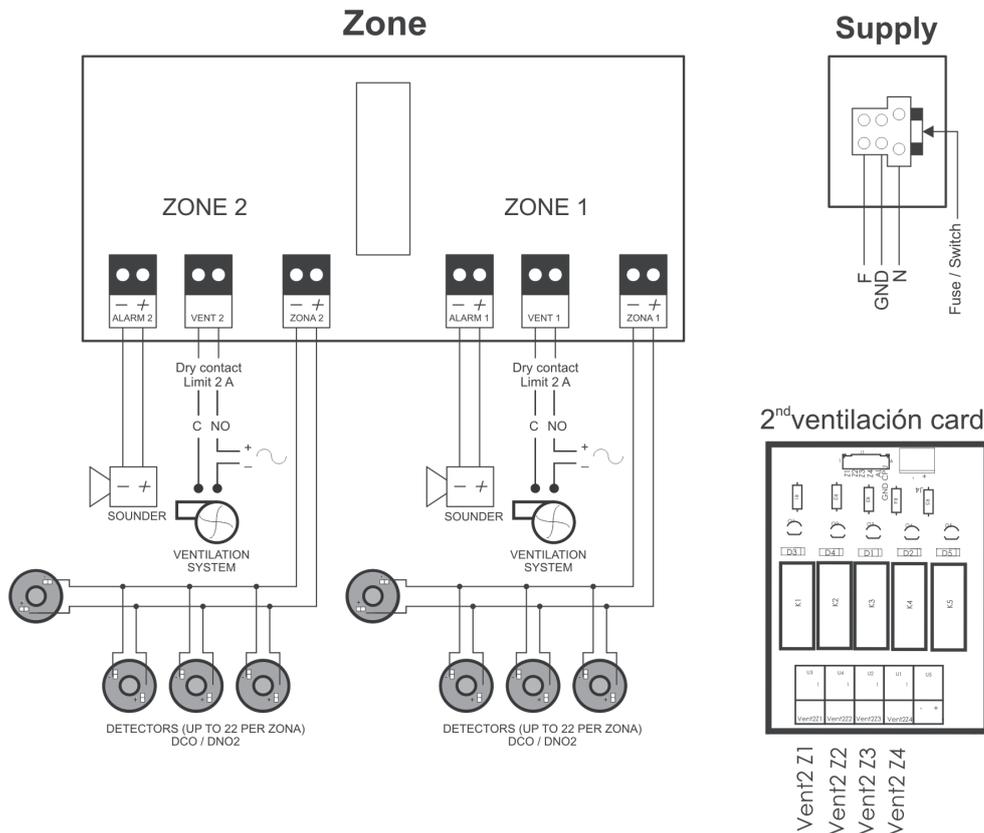
CCO122 ... CCO422 opción DVB



Parameter	Value	Margin
Ventilation level:	50 ppm	Programmable (20 ÷ 150 ppm)
Ventilation delay:	4 min	Programmable (1 ÷ 9 min)
Postventilation delay:	4 min	Fixed
Alarm level:	300 ppm	Fixed
Alarm delay:	15 min	Programmable (10 ÷ 30 min)

Parameter	Value	Margin
Ventilation 1 level:	50 ppm	Programmable (20 ÷ 150 ppm)
Ventilation 1 delay:	4 min	Programmable (1 ÷ 9 min)
Postventilation 1 delay:	4 min	Fixed
Ventilation 2 level:	200 ppm	Programmable (20 ÷ 300 ppm) and ≥ Ventilation 1 level
Ventilation 2 delay:	10 min	Programmable (1 ÷ 30 min)
Postventilation delay:	4 min	Fixed
Alarm level:	300 ppm	Fixed
Alarm delay:	15 min	Programmable (10 ÷ 30 min)

Note: The activation of the ventilation 2 involves the activation of the ventilation 1.



Structure per zone