



MiniCO control panel

CARBON MONOXIDE DETECTION SYSTEM



Conventional Control panel with diffusion sensors of carbon monoxide (CO) and nitrogen dioxide (NO₂) UNE 23300 certified.

This control panel provides the MiniCO110 (Ref. MCO110), MiniCO120 (Ref. MCO120) and MiniCO120DVB (Ref. MCO120DVB) references with 10 and 20 sensors respectively.

They are particularly suitable for parking or areas that need only 1 ventilation zone or installation of a few sensors in it.

The control panel displays the maximum concentration of CO in the detection zone, activating the ventilation and alarm when a specific concentration is reached after expiry of the set delay.

It has dry contact outputs for ventilation and a 24 Vdc alarm output.

The system works with CO sensor ("SCO" reference) and NO₂ sensors ("SDN" reference) in the same area.

NO₂ sensors transform measures of NO₂ concentration in an equivalent measure of CO, and shown it in the display as a single concentration of CO, activating the ventilation and alarm when established CO levels are reached.

The control panel allows manual activation and deactivation of ventilation.

The equipment is designed for using diffusion sensors calibrated at factory for operation throughout the operational life of their sensors, and UNE 23300 certified.

Features:

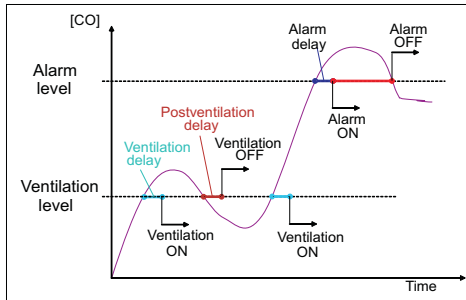
- Control panel of 1 ventilation zone with diffusion sensor brand COsensor model SCO (CO sensor) and SDN (NO₂ sensor).
- Dry contact output (COM / NA) for ventilation 1 and ventilation 2 (DVB model only).
- Alarm output 24 Vdc 0.8 A.
- Space for 2x12 Vdc 2 Ah batteries (DVB model only)
- Display 3-digit, 7-segment.
- Dimensions: 280 x 225 x 105 mm.
- UNE 23300 certified.

TECHNICAL FEATURES

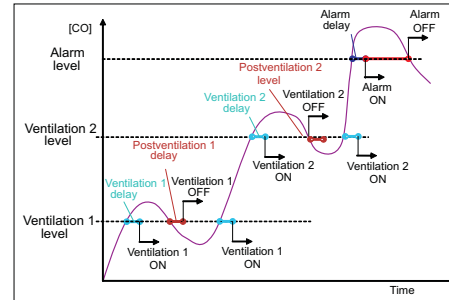
Power supply	230V 50-60Hz/AC	Intensity alarm output	24 Vdc 0,8 A
Maximum consumption	20 VA. 230 Vac	Alarm output fuse	Resettable
Batteries (only DVB model)	2 x 12 Vdc 2 Ah SLA	Zone output voltage	26 Vdc
Power supply fuse	4 A	Zone fuse	2 A
Battery charger	500 mA 27Vdc 20°C	Dry contact fault	230 Vac / 30 Vdc 1 A
Sensors by zone	10 CO / NO ₂ (MCO110)	Environmental conditions	-10°C +50°C
	20 CO / NO ₂ (MCO120)	Dimensions	280x225x105 mm
IP	30	Weight	3,45 kg
Dry contact ventilation	230 Vac / 30 Vdc 2A	Standard	UNE 23300



MiniCO110 / MiniCO120



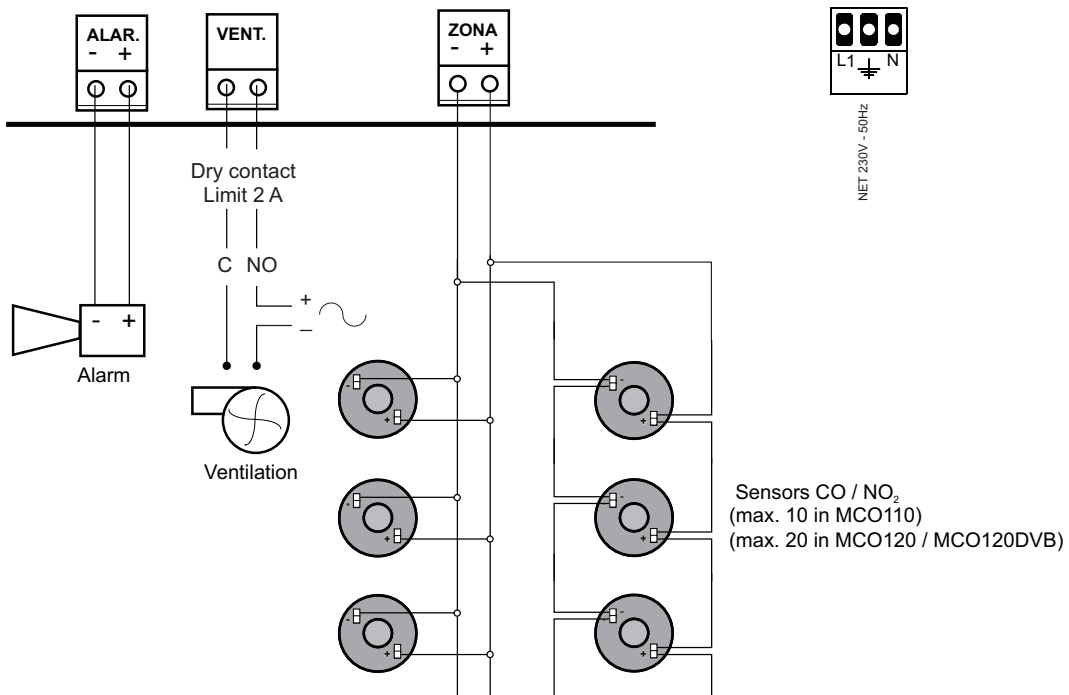
MiniCO120DVB



Parameter	Value	Margin
Ventilation level:	50 ppm	Programmable(20÷150 ppm, on a 10ppm increase rate)
Ventilation delay:	4 min	Programmable(1÷9 min, on a 1 min increase)
Postventilation delay:	4 min	Fixed
Alarm level:	200 ppm	Fixed
Alarm delay:	1 min	Fixed

Parameter	Value	Margin
Ventilation 1 level:	50 ppm	Fixed
Ventilation 1 delay:	4 min	Programmable (1 ÷ 9 min)
Postventilation 1 delay:	4 min	Fixed
Ventilation 2 level:	100 ppm	Fixed
Ventilation 2 delay:	0 min	Fixed
Postventilation 2 delay:	0 min	Fixed
Alarm level:	200 ppm	Fixed
Alarm delay:	0 min	Fixed

Scheme of operation for control panels with 1 output ventilation



Structure by zone