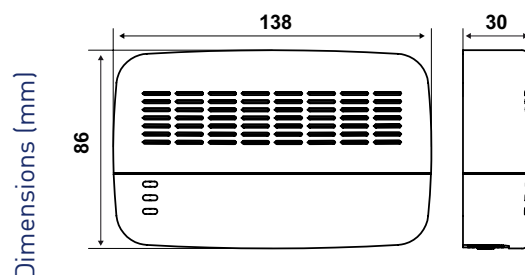


Sicurgas P13

CO carbon monoxide detector with electrochemical cells for domestic use

Sicurgas P13 is a device that makes it possible, by means of a very sensitive probe (i.e. sensor), to detect the presence of carbon monoxide (CO) concentrations in domestic environments.



	Gas type	Power supply	Contacts rating	Test button	Operating temperature	Protection degree
P13	CO carbon monoxide	230Vac - 50Hz	6(2)A - 250Vac	YES	-10 ÷ 40 °C	IP42

ELECTRICAL CHARACTERISTICS

Power supply: 230Vac 50Hz.

Consumption: 4 VA.

Output through electromagnetic relay.

Contacts rating: 6(2)A - 250Vac.

STANDARDS AND APPROVALS

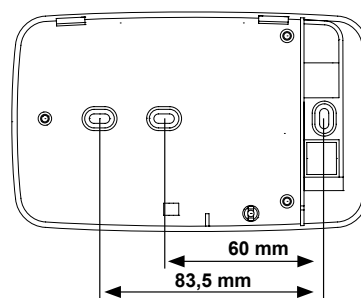
Complies with EN 50291.



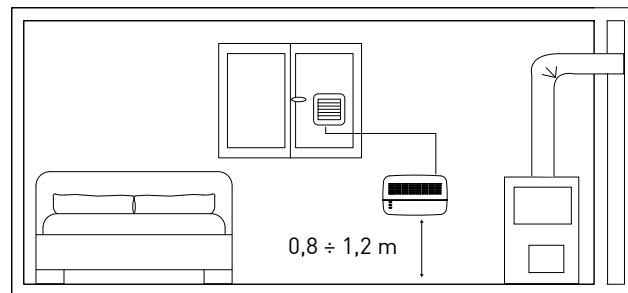
INSTALLATION

Mounting in built-in 3-module boxes, on the wall or in round boxes.

Mounting hole suitable for built-in 3-module boxes.



The Sicurgas P13 device, to be installed in bedrooms or rooms where the occupants spend most time, shall be placed quite near the occupants' breathing area, 0.8 to 1.2 m above the floor, at a point where the air flow will not be obstructed by pieces of furniture. Refer to the UNI 11522 installation standard.



OPERATION

Sicurgas P13 detects CO carbon monoxide through its electrochemical cells probe in domestic environments.

CO carbon monoxide is a dangerous gas due to the fact that it's inodorous and colourless. In case of very high concentration it could lead to death.

Sicurgas P13 helps detecting CO leaks, however it cannot prevent chronic effects caused by prolonged exposition to CO.

Sicurgas P13 operates depending on the CO concentration in the environment according to the norm EN 50291, as follows:

- 50 ppm: alarm ON with 60 to 90 minutes exposure
- 100 ppm: alarm ON with 10 to 40 minutes exposure
- 300 ppm: alarm ON with 3 minutes exposure

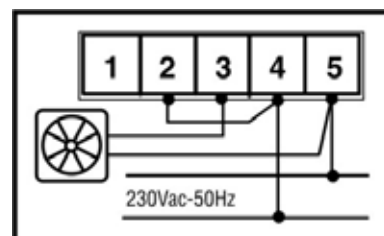
In case of alarm an acoustic and luminous signal turns ON to warn about the danger. At the same time Sicurgas P13 activates a relay that operates a valve or a ventilation system.

Sicurgas P13 is equipped with a TEST button to verify that the system operates properly. The test button can be enabled by pressing in the low part of the product as shown in the drawing. To run the TEST properly press the button until a buzzer is activated (yellow and red LED flash alternately, green LED is on). The device goes back to normal functioning after 10 minutes.

Some substances could create a blind alarm, such as alcohol, deodorants, stain removers, paint thinners, hair sprays, trichloroethylene.

Sicurgas P13 is equipped with a luminous and an acoustic alarm.

Electrical wiring as shown in the drawing to install properly the device and connect it to a NC valve or a ventilation system.



TECHNICAL FEATURES

Electrochemical sensor to detect CO carbon monoxide. Shock proof body.

Internal luminous and acoustic alarms.

3 warning LED:

- Green LED: the device works properly
- Yellow LED: malfunction
- Red LED: ALARM, CO carbon monoxide is being detected

Sensor life: 5 years from the production date (see replacement date on the device).

The relay of the device is a "sealed" type and filled with inert gas that guarantees the absence of sparks when commuting.

ACCESSORIES



S80
Acoustic and light signalling device .