

GAS SENSOR WITH IP65 PROTECTION

Gas sensor GS-300.CO is intended for detection of carbon monoxide

MAIN APPLICATIONS

In building automation, fire prevention systems and many industries.

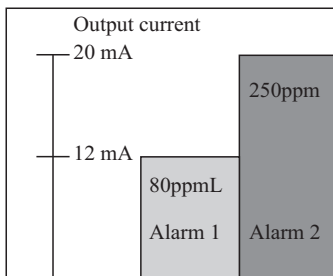
Sensor can be connected to any 4-20mA control panel.

TECHNICAL SPECIFICATIONS

Detected gas:	
GS-300.CO	CO
Power supply	12 - 24 VDC
Alarm levels	80ppm and 250ppm
Output signal	12mA and 20mA
Visual indication	LED
Working temperature	-20 - 50°C
Weight	0,200kg
Enclosure material	ABS
Ingress protection	IP65
Conform to	EN 50270
Conformity mark	CE

OUTPUT SIGNALS

The sensor output is 2 step current signal as shown on the diagram:



WORKING MODES

Start up

Preheating and initial testing of the gas sensor.

Indication: Red and Green LED's are blinking alternately once a second. This takes 30 seconds.

Current output is not active.

Normal work

In this mode sensor is ready to detect gas concentration.

Indication: Green LED is ON. Current output is not active.

Alarm 1

First alarm level is reached - 80ppm CO

Indication: Red LED lights.

Output current is 12mA.

Alarm 2

Second alarm level is reached - 250ppm CO

Indication: Red LED lights.

Output current is 20mA.

FAULT

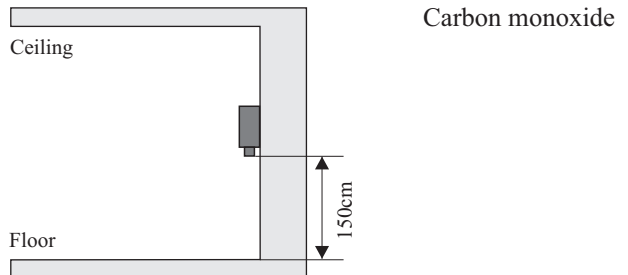
Sensor element fault.

Indication: Orange LED is blinking.

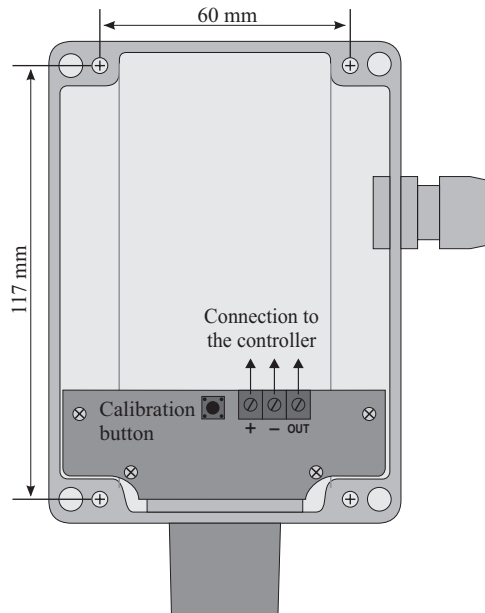
Output current is 0 mA.

MOUNTING

Gas sensor for carbon monoxide should be installed in a 150cm from the floor



DRILLING AND CONNECTION DIAGRAM



SENSOR CALIBRATION

Gas sensors need to be calibrated and periodically checked to ensure sensor accuracy and system integrity. It is important to install stationary sensors in locations where the calibration can be performed easily.

WARNING

Gas sensor must be installed and serviced by qualified technicians. The sensor's proper operation must be checked at least once a year. Do not install the sensor in places where combustible gases and vapors, silicone and corrosive fumes might be present in high concentrations. Do not clean with aerosols and detergents.