

CO, CO₂, LPG, METHANE GAS SENSORS



CO sensor

It detects and points out the presence of carbon monoxide inside the building. The emission of carbon monoxide can be caused by bad combustion and insufficient ventilation. Once the level of CO exceeds the limit, a powerful sound signal starts beeping along with the appearance of a signal light. The alert is immediately transmitted to the remote assistance operations centre.

CO₂ sensor

It measures the amount of carbon dioxide in a closed environment. Carbon dioxide in indoor environments is mainly produced by breathing and by plants, especially if placed in a dark area. For this reason, the sensor is provided with a relay in order to activate a potential ventilation system, which starts when the CO₂ ppm value goes beyond the established threshold.

LPG and Methane sensor

These sensors detect and report possible LPG or Methane gas leaks. The emission of gas from the house distribution system is generally caused by leaks or by the failure of the system. Once the threshold exceeds the limit, it activates a powerful sound signal along with a signal light. The alert is immediately transmitted to the remote assistance operations centre.





	CO	CO ₂	LPG	Methane
Product code	1-3876	1-3877	1-3874	1-3875
Power supply	100/240Vca - 50/60 Hz	100/230Vca - 50/60 Hz	100/240Vca - 50/60 Hz	100/240Vca - 50/60 Hz
Absorption	3,91VA max. at 230Vca - 1,44W max. at 12Vcc	5,29VA max. at 230Vca - 2,4W max. at 12Vcc	5,75VA max. at 230Vca - 2,5W max. at 12Vcc	5,75VA max. at 230Vca - 2,5W max. at 12Vcc
Alarm threshold	50 ppm for 75 min. - 100 ppm for 16 min. - 300 ppm for 1 min.	Adjustable Internal Dip Switch (900ppm default)	10% LEL - measuring range : 0÷20% LEL	10% LEL - measuring range: 0÷20% LEL
Sensor	Elettrochemical	/	Catalitic	Catalitic
Alarm	Optical (red led), acoustic (internal buzzer 85dBA at 1m)	Backlight blinking, NDIR CO ₂ sensor with 2 canals, accuracy ± (30 ppm + 3%VM)	Optical (red led), acoustic (internal buzzer 85dBA at 1m)	Optical (red led), acoustic (internal buzzer 85dBA at 1m)
Relay	10A @ 250Vca - 10A @ 30Vcc, SPDT	10A @ 250Vca - 10A @ 30Vcc, SPDT	10A @ 250Vca - 10A @ 30Vcc, SPDT	10A @ 250Vca - 10A @ 30Vcc, SPDT
Radio communication	IEEE 802.11 b/g/n, frequency: 2,4-2,4835 GHz	IEEE 802.11 b/g/n, frequency: 2,4-2,4835 GHz	IEEE 802.11 b/g/n, frequency: 2,4-2,4835 GHz	IEEE 802.11 b/g/n, frequency: 2,4-2,4835 GHz
Compliance Certificate	EN 50291-1:2018	/	EN 50194-1:2010	EN 50194-1:2010
Integration	Myosos DOMO (PA148) Myosos MED (PA142)	Myosos DOMO (PA148) Myosos MED (PA142)	Myosos DOMO (PA148) Myosos MED (PA142)	Myosos DOMO (PA148) Myosos MED (PA142)
Sensor/ nose life	6 years	15 years	5 years	5 years

Urmet ATE s.r.l. reserves the right to change the specifications of the illustrated product, November 2025.