

DOMESTIC DETECTOR CO₂

AE/GI-BECO2

Description

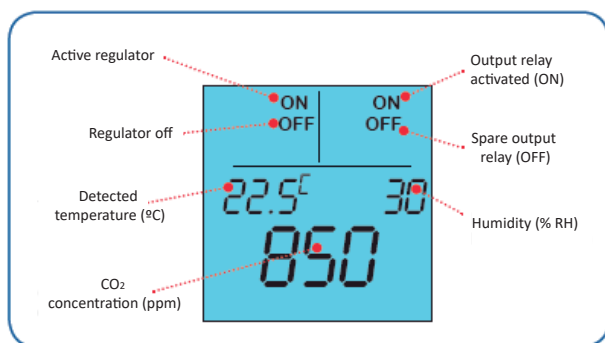
Household carbon dioxide wall detector. It is capable of measuring the amount of carbon dioxide within a closed environment through a precise infrared sensor located inside.

AE / GI-BECO2 has an NDIR sensor (infrared analysis in air chamber) with a useful life of 15 years.

AE / GI-BECO2 also has a relay that is activated when the carbon dioxide value in ppm has exceeded the maximum threshold established (by default or by the user). The alarm threshold for the activation of the relay output is configurable for values of 700, 900 (default value), 1100 or 1500 ppm using selectors.

The relay output is activated after 2 minutes exceeding the set alarm threshold, to start the air renewal process.

The detector also measures temperature and humidity to provide the user with as much information as possible regarding the health of the environment. The detector incorporates, on the front, a small screen that allows viewing the ppm values detected at that precise moment.



TECHNICAL CHARACTERISTICS

Power supply:	100/230 Vac - 50 / 60Hz or 12 Vdc (includes both possibilities)
Consumption:	5.29 VA max. at 230 Vac / 2.4W max at 12 Vdc
Ventilation level:	Configurable through internal Dip Switch (default 900ppm)
Alarm:	Flashing Led.
Sensor:	NDIR (infrared), accuracy $\pm 30 \text{ ppm} + 3\% \text{ VM}$. Shelf life 15 years.
Relay:	SPDT (NO-C-NC) 10 A @ 250 Vac
Operating temperature range:	0°C... + 50°C
Accuracy:	CO ₂ : $\pm (30\text{ppm} + 3\% \text{ VM})$ Temperature: $\pm (0.4^\circ\text{C} + 0.023 \times (T [^\circ\text{C}] - 25^\circ\text{C}))$ Humidity: $\pm 3\% \text{ RH}$
Measurement range:	CO ₂ : 0 - 40,000 ppm Temperature: -40°C... + 70°C Humidity: 0% RH... 100% RH
Activation threshold hysteresis:	25% of the programmed threshold (only decreasing)
Relay activation delay:	2 minutes
Protection index:	IP42