

HOME WIFI CO2 DETECTOR

AE/GI-YUCO2

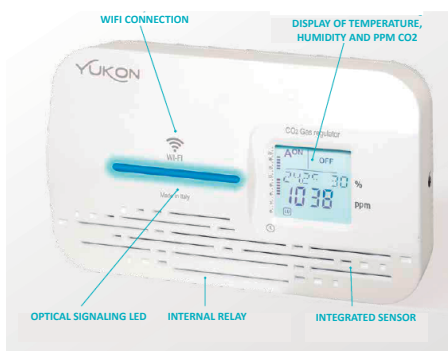
Description

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-YUCO2 has an NDIR sensor (infrared analysis in air chamber) with a useful life of 15 years.

AE / GI-YUCO2 also has a relay that is activated when the carbon dioxide value in ppm has exceeded the maximum threshold set (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 to view the ppm values detected at that precise moment, and which are also visible through the App. In this way, the user is always aware of what is happening at home.



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:	Led flashing and sent to the mobile App.
Sensor:	NDIR (infrared), accuracy ± 30 ppm + 3% VM. Shelf life 15 years.
Relay:	SPDT (NO-C-NC) 10 A @ 250 Vac
Wireless protocol:	IEEE 802.11 b / g / n, frequency: 2.4 - 2.4835 Ghz
Operating temperature range:	0°C... + 50°C
Accuracy:	CO2: $\pm (30\text{ppm} + 3\% \text{ VM})$ 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:	CO2: 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

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Yukon APP

Yukon is the App that allows you to monitor the status of the detectors, read their values, change their parameters and receive alarm notifications. At any time of the day, you can monitor the status of your home.

The App is compatible with iOS (9.0 and higher) and Android (6.0 and higher) systems.

CHARACTERISTICS

• ALWAYS INFORMED

Thanks to the WiFi connection, all Yukon devices are capable of communicating changes in the state of air quality, critical states or a gas leak to the user's smartphone; whether you are at home or away.

• CONNECTION TO EACH DEVICE

You will be able to control in detail the parameters detected in your house and the possible exceeding of the thresholds, which will allow you to keep your home safe. The notification to the mobile device is carried out if, after 5 minutes from the activation of the air renewal, the level has not fallen below the end of alarm levels, 525, 675, 825 or 1125 ppm.

• HISTORY FUNCTION (CO2 ONLY)

With Yukon, you can monitor the progress of your measurements over time and see how your experience has improved since you know what you are breathing.

• USER REGISTRATION

With Yukon you can access your profile and follow everything concerning the configuration of notifications, the management of user profiles and the individual management of sensors.

• CREATION OF GROUPS

It is possible to divide the sensors into groups or rooms to control the situation of specific rooms in your own house or that of a relative / friend.

