

Gira ambient air sensor CO₂
Monitoring the CO₂ concentration to improve the ambient air and thus also improve well-being.

GIRA

Gira ambient air sensor CO₂

Monitoring ambient air



Gira ambient air sensor CO₂
Gira E2, pure white glossy

GIRA

Gira
Giersiepen GmbH & Co. KG
Electrical Installation
Systems

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Gira ambient air sensor CO₂

The Gira ambient air sensor CO₂ enables ambient air and therefore also well-being to be improved by monitoring CO₂ concentration. If set limits are exceeded, e.g. windows can be opened or fans switched on, and an internal buzzer can also signify an increased level of CO₂ concentration.

Areas of application

Whether school classrooms, meeting rooms or seminar rooms: where people are plentiful, CO₂ concentration can build up quickly. An increased concentration of CO₂ negatively affects well-being, the ability to concentrate and also performance, beginning with a CO₂ concentration of just 0.08%. The maximum value recommended by DIN 1946 of 0.1% is often exceeded with today's building standards and the high density of building shells. In buildings like this, it is sensible to monitor the quality of the air automatically.

Functionality

The Gira ambient air sensor CO₂ measures the CO₂ concentration in the air and indicates with a red or green illuminated LED whether it is above or below the set limit value. An upper limit value of 800 ppm to 1,500 ppm can be set. If this limit value is exceeded, a corresponding function can be activated via a 2-way relay contact, e.g. open window or switch on ventilator. The internal buzzer can also be triggered with excessive concentrations of CO₂. In addition, it is also possible to activate an external light such as the Gira LED signal light in order to signify the CO₂ content and the necessity of ventilation.

Installation

The Gira ambient air sensor CO₂ is the first on the market that can be installed flush-mounted and that matches a switch range.

Technical data

Measurement range:
350 to 2000 ppm

max. 90% humidity

Ambient temperature:
-5°C to +50°C

Protection type: IP 20

Gira ambient air sensor CO₂:
Order No. 2381 ..

Subject to technical
modifications

Further information is available
from the Gira catalogue or on
the Internet at www.gira.com



Gira ambient air sensor CO₂
Gira E22, aluminium



Gira ambient air sensor CO₂
Gira Esprit, glass black/colour aluminium