

resideo



## Keep indoor air quality in check

With the Resideo Carbon Dioxide (CO<sub>2</sub>) monitor

# Monitor CO<sub>2</sub> levels and keep indoor air quality in check

Building improvements such as double-glazed windows and improved insulation have helped to retain heat inside rooms and increase energy efficiency, but this has made fresh air ventilation more difficult to achieve, which can lead to increased carbon dioxide (CO<sub>2</sub>) levels.

## Too much CO<sub>2</sub> can lead to...



Fatigue



Headaches



Lack of concentration



Increased blood pressure



Decreased hearing ability

# Making the invisible visible

The Resideo R200C2 monitor alerts you to high levels of CO<sub>2</sub> via audio and visual cues. You can easily assess indoor air quality, see at a glance when CO<sub>2</sub> levels become excessive, and take action to ventilate the room.



10-year service life and 10-year warranty included, as standard giving additional peace of mind.

| Status 1: Safe   | Status 2: Warning   | Status 3: Harmful   |
|--|---|---|
| Green LED  | Yellow LED  | Red LED, voice prompt (with mute option) and 75 dB siren                  |
|  |   |   |
| <b>Good condition</b><br>CO <sub>2</sub> concentration ≤1000 ppm | <b>Poor air quality</b><br>CO <sub>2</sub> concentration 1000 ppm ~1500 ppm | <b>CO<sub>2</sub> detected</b><br>CO <sub>2</sub> concentration ≥1500 ppm |



## Key features



Non-dispersive infrared (NDIR) CO<sub>2</sub> sensor technology.



High-precision carbon dioxide detection ±50 ppm + 5%.



High-precision temperature detection. Ambient room temperature display from -5°C to 50°C. When the temperature moves outside of this range, the monitor will display: 'Temperature abnormality detected'.



High-precision humidity detection ±5% RH. When the humidity level exceeds 90% RH, the monitor will display: 'Abnormal humidity detected'.

### R200C2 Product specifications

|                                  |  |
|----------------------------------|--|
| <b>Interface</b>                 | Intuitive touchscreen control for easy operation                                       |
| <b>Display</b>                   | Clear LED display showing CO <sub>2</sub> levels, automatic brightness adjustment      |
| <b>Alert</b>                     | Visual and audible alert system  |
| <b>Voice notification</b>        | 75 dB voice alarm, available in 6 languages EN, FR, NL, ES, IT, DE                     |
| <b>Power</b>                     | Mains powered, with 12 hour battery backup   |
| <b>Mounting</b>                  | Wall-mounted   |
| <b>Sensor type</b>               | Non-dispersive infrared (NDIR)   |
| <b>Approvals and standards</b>   | CE, EN62368  |
| <b>Dimensions (H x L x W)</b>    | 99 mm x 99 mm x 37 mm  |
| <b>Product weight</b>            | 291 g  |
| <b>Colour</b>                    | White  |
| <b>Alarm indicator light</b>     | ≤1000 ppm: Green colour<br>1000 ppm ~ 1500 ppm: Yellow colour<br>≥1500 ppm: Red colour |
| <b>Ambient relative humidity</b> | Max: 90% RH (no condensation)<br>Min: 0% RH (no condensation)                          |
| <b>Sensor service life</b>       | 10 years   |
| <b>Calibration</b>               | Automatic  |
| <b>Delay/hush button</b>         | Yes  |
| <b>Disable alarm button</b>      | Yes  |

# Where to install

A CO<sub>2</sub> monitor is suitable for use in rooms where people spend a lot of time, such as school classrooms, office meeting rooms and at home in living rooms, bedrooms, workspaces, and playrooms. A monitor should ideally also be installed in every room containing a fuel-burning appliance.

The Resideo CO<sub>2</sub> monitor is suitable for installation by either end users or professionals, and is supplied with a manual containing detailed installation instructions. As CO<sub>2</sub> is slightly heavier than air, the monitor should be installed wall mounted, at eye level.

The monitor comes with an external AC power adapter, and has a built-in backup rechargeable lithium battery that supports up to 12 hours of backup power in case of AC power failure. Its low-battery warning indicator will alert to when it's time to recharge.



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