GS-CO2-RHT-240V-S

240V CO2 Indoor sensor traffic light LCD



Features & Benefits

- Monitoring real time carbon dioxide, temperature and RH
- 3 colour backlit LCD
- Optional 1x on/off output to control ventilator
- Modbus RS485 communication
- Wall mounting or desktop placement

Technical Overview

GS-CO2-240V-S is a precision indoor air-quality monitor designed for reliable, real-time CO_2, temperature, and humidity tracking. Powered by a long-life NDIR infrared sensor with advanced self-calibration, it delivers highly accurate readings for over 10 years. A three-color LCD backlight (green/yellow/red) instantly shows ventilation quality, while an optional buzzer alarm, 24-hour CO_2 average/max display, and touch-button interface enhance usability.

General Information

Power Supply	100-240Vac
Consumption	3.5 W max : 2.5 W avg
Sensing element	Non-dispersive Infrared Detector (NDIR)
Accuracy	±50ppm + 3% of reading
Stability	<2 of FS over life of sensor
Calibration interval	ABC logic self calibration
CO2 sensor life	15 years
Response Time	<2 minutes for 90% step change
Signal update	Every 2 seconds
CO2 measuring range	<3 minutes
3 colour backlit for CO2 range	Green: < 1000ppm Yellow: 1001-1400ppm Red: > 1400ppm
Temperature Output range	-20 to 60°C
RH output ranges	0 to 99% RH
Operating conditions	-20 to 60°C 0 to 95% RH non-condensing
Storage Conditions	0 to 50°C 5 to 70°C
Dimensions	130 x 85 x 36.5mm
Weight	200g
Housing Material	PC/ABS fireproof plastic material

Tel: +44 (0)1732 861200 | E-mail: sales@sontay.com | Web: www.sontay.com

Sontay Limited. Four Elms Road, Edenbridge, Kent, TN8 6AB UK

© 2025 Sontay Limited. All rights reserved. Whilst every effort has been made to ensure the accuracy of this specification, Sontay cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

Note: for all gas sensors, None of our devices are approved for use in life safety applications. This document is uncontrolled if printed. Generated on 09/01/26

IP Rating	IP30

Related Product Codes

GS-CO2-RHT-240V-S

Tel: +44 (0)1732 861200 | E-mail: sales@sontay.com | Web: www.sontay.com

Sontay Limited. Four Elms Road, Edenbridge, Kent, TN8 6AB UK

Sontay®

© 2025 Sontay Limited. All rights reserved. Whilst every effort has been made to ensure the accuracy of this specification, Sontay cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

Note: for all gas sensors, None of our devices are approved for use in life safety applications. This document is uncontrolled if printed. Generated on 09/01/26