8 March 2021

INDOOR AIR QUALITY DETECTION – CO_2

Johnson Controls® is pleased to announce the Indoor Air Quality detection series.

The CO_2 concentration in meeting and classrooms as well as in kindergartens, offices, or other rooms often increase quickly as a result of inadequate ventilation. The consequences can be fatigue, deep breathing, headache, increased blood pressure and pulse, and also reduced concentration. Furthermore, continuous ventilation reduces the risk of infection, which is particularly relevant these days.

The movable CO_2 detection indicates when it is time to ventilate!

As a remedial measure, the CO_2 traffic light is used to detect the CO_2 content in the air with a range of 0..5000 ppm. The CO_2 concentration is indicated with LEDs (green, yellow, red). With the desk display and power supply attached, the movable CO_2 detection is ideal for mobile applications like education rooms and meeting rooms.

REASON TO BUY

SIMPLE COMMISSIONING: UNPACK > PLACE > PLUG IN (PLUG'N'PLAY)
The practical desk display and the connected power supply unit make it possible to use the Indoor Air Quality devices as a "plug & play" solution – flexible to move to other localtions.

EASY TO USE
Indication of the measured room CO_2 values via LEDs (green / yellow / red). Optional integrated display showing temperature, humidity and CO_2 content.

READY TO START
The threshold values for the traffic light function are preset as follows: **green:** < 750 ppm, **yellow:** between 750 and 1250 ppm, **red:** > 1250 ppm.
That provides no additional adjustments or value set up on side.

Controls Product Management MEA
For internal distribution only – **This document is subject to change without notice**

Johnson Controls

BATTLE CARDS

VALUE COMPARISONS	JOHNSON CONTROLS	S + S	E + E	SIEMENS	TITEC	DRIESEN & KERN	HUGOMUELLER
TYPE	SCD-x0x-E0x-01	AERASGARD® RCO2-NT	CO2 Guard 10	QPA2060D		CO2 Ampel	GS 42.01 pro
LED (COLOR) INDICATION	■	■	■	---	■	■	■
DIGITAL VALUE	■	---	---	■	■	■	---
MOUNTED TYPE	Wall + Desk	Wall + Desk	Wall + Desk	Wall	Desk	Wall + Desk	N/A
DESK HOLDER	Aluminium	Metall	Plastic	N/A	SS	Plastik	N/A
MEASUREMENT RANGE	0...5000 ppm	0...2000 ppm	0...5000 ppm	0...2000 ppm	0...2000 ppm	400...10000 ppm	N/A
PROTECTION CLASS	IP20 desk/ IP30 desk	IP30	IP30 Wall / IP20 desk	IP30 Wall	IP30	N/A	IP20
ACOUSTIC SIGNAL	---	---	■	---	---	■	■
POWER SUPPLY TYPE	Power plug + 1,5m	Power plug + 1,5m	Battery (max 4-6month live time)	24V	Power plug + 1,5m	USB-C + 1,8m / Batterie max 1 year	Power plug + 1,5m
CO2	■	■	■	■	■	■	■
CO2 + T + RH	■	---	---	---	■	■	---

ORDERING CODES

CODE	DESCRIPTION
SCD-100-E00-01	Air quality detection with RGB LED for indication of CO_2
SCD-301-E01-01	Air quality detection with RGB LED for indication of CO_2 and LCD for displaying CO_2, Temperature and humidity value

Note: The CO_2 device is a mobile and standalone solution without any communication capability. This solution is suited for spaces not equipped by air conditioning system since the CO_2 sensor is not connected to any BAS / HAVC System.

AVAILABLE DOCUMENTS

☑ Installation Instructions   ☑ Battle Card

☑ Flyer   ☑ Declaration of conformity

RELEASE SCHEDULE

▇ Orderable via AOMS: **Available Now**

▇ Products available to ship: **Available Now**

For further information please contact:
BE-SystemsProducts_ME@jci.com

Controls Product Management MEA
For internal distribution only - **This document is subject to change without notice**

Johnson Controls