# Product datasheet

Specifications

## Air quality sensor, SpaceLogic Sensors, SCD2 Series, CO2, analog output, humidity, 10K T3 thermistor

SCD2XA2HCX

**EAN Code: 3606485849263**

## Main

| | |
|---|---|
| **Range of product** | SpaceLogic |
| **Product or component type** | Air quality sensor |
| **Type of measurement** | Humidity<br>Temperature<br>CO2 |
| **Device application** | HVAC<br>Indoor air quality (IAQ) |
| **location** | Indoor |
| **Calibration certificate** | Humidity: replaceable RH element available in 1% & 2% with NIST<br>Temperature: 1 pt |
| **Sensor type** | Thin film capacitive, replaceable humidity<br>NDIR (non-dispersive infrared) CO2<br>Solid state temperature<br>Transmitter temperature |
| **CO2 measurement accuracy** | +/- 30 ppm + 3 % of reading |
| **CO2 measurement range** | 0...2000 ppm<br>0...5000 ppm |
| **CO2 measurement repeatability** | +/- 20 ppm +/- 1 % of measured value |
| **Colour** | Duct: black and green |
| **Communication network type** | Wired |
| **Connections - terminals** | Screwless terminals |
| **Enclosure material** | Polycarbonate strong housing |
| **Humidity measurement accuracy** | +/- 2 % 0...100 % RH |
| **Relative humidity** | 0…95 % RH, non-condensing |
| **Analogue output type** | 4...20 mA<br>0...5 V DC<br>0...10 V DC |
| **Output type** | Analog |
| **Standards** | EN 61000<br>EN 61000-6-2<br>EN 61000-6-3<br>EN 61326-1<br>UL 916<br>FCC part 15 class A<br>REACH<br>ICES-003<br>RoHS |
| **Storage Relative Humidity** | 0…95 % RH, non-condensing |
| **[Us] rated supply voltage** | 20...30 V DC<br>24 V AC |

| | |
|---|---|
| **Temperature measurement accuracy** | +/- 0.2 °C |
| **Measurement temperature** | 0…50 °C |
| **Temperature resolution** | 0.1 °C |
| **Product name** | Plant Room Air Quality Sensor |
| **Product brand** | Schneider Electric |
| **Range** | SCD2 Series |
| **Targeted region** | Middle East and Africa.<br>Europe<br>North America. |

## Complementary

| | |
|---|---|
| **Market segment** | Buildings |

## Environment

| | |
|---|---|
| **IP degree of protection** | IP65 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 13.462 cm |
| **Package 1 Width** | 15.748 cm |
| **Package 1 Length** | 32.258 cm |
| **Package 1 Weight** | 508.023 g |
| **Unit Type of Package 2** | CAR |
| **Number of Units in Package 2** | 4 |
| **Package 2 Height** | 29.997 cm |
| **Package 2 Width** | 29.997 cm |
| **Package 2 Length** | 40.005 cm |
| **Package 2 Weight** | 2.000 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

Life Is On | Schneider Electric

## 🔆 Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ›

How we assess product sustainability ›

### 🍃 Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **264** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### ⬙ Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **No** |
| Packaging without single use plastic | **No** |
| EU RoHS Directive | **Compliant** |
| SCIP Number | **13db3b86-12c8-4e46-ac4a-00ab4bcc41a5** |

## Use Again

### ↻ Repack and remanufacture

| | |
|---|---|
| End of life manual availability | **End of Life Information** |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |

# SCD2XA2HCX

Technical Illustration

**Wiring diagram**

CONTROL SYSTEM
- CO₂ OUT
- COMMON
- VOC OUT
- COMMON
- PM RH OUT
- TEMP OUT*
- COMMON

POWER SUPPLY 20-30 VDC, 24 VAC
- COMMON
- POWER (+24)
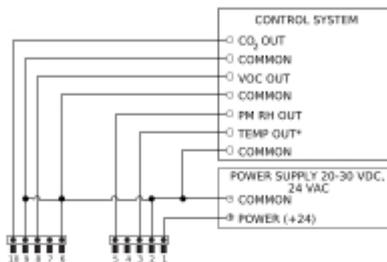
*For thermistor or RTD models, use pins 3 and 4 for connections.

Offer Marketing Illustration

**Product benefits / Features**

Offer Marketing Illustration

## Product benefits / Features