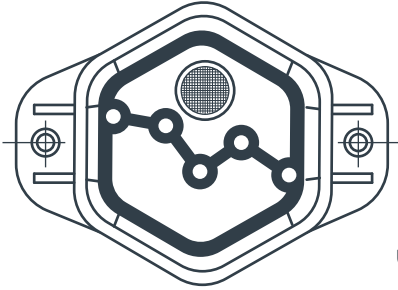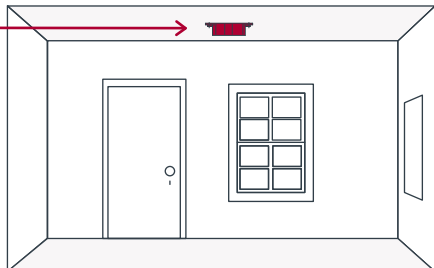# Air Quality Sensor
ACS-02

The air quality sensor is used to measure the air quality of interiors. It detects gases such as carbon monoxide.

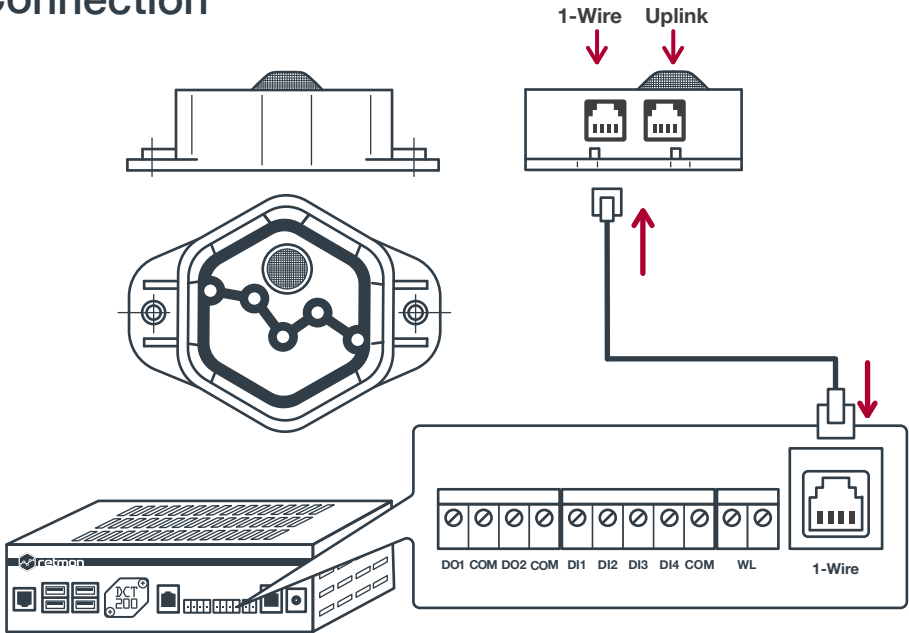*Sensor's warm-up time is* **6 hours**.

Technical
Specifications

Voltage	5 VDC
Measuring Range	0 - 2000 ppm
Measurement accuracy	< 2 ppm
Operating Temperature	0 / +60 °C
Humidity Range	%10 - %90 (Non-Condensing)
Product Warranty	2 Years
Protection Class	IP 40
Communication Protocol	1-Wire
Current Consumption	< 300 mA
Compatibility	TS EN 61000-6-2
Dimensions	80x65x28mm

It is important to install the carbon monoxide sensor at the proper location for efficient operation. The air quality sensor (ACS-02) should be installed in an area in the open space where it will not be exposed to direct air flow. (Example: ceiling, wall etc.)
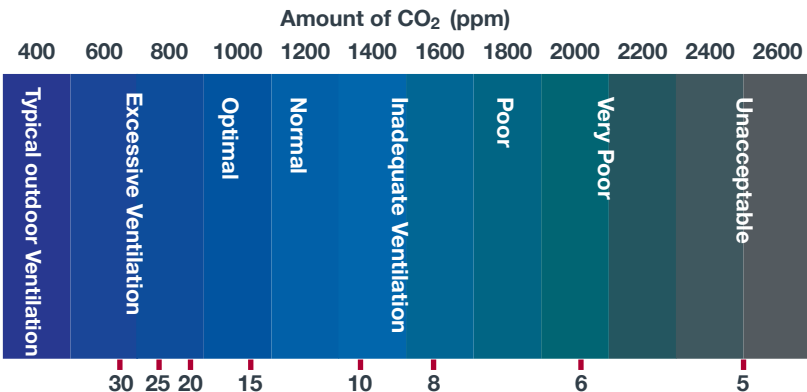
retmon EMS

Sensor
Connection

1-Wire   **Uplink**

DO1	COM	DO2	COM	DI1	DI2	DI3	DI4	COM	WL	1-Wire

Ventilation must be closed for energy-saving

The oven needs to be ventilated

Amount of CO_2 (ppm)

400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600

Typical outdoor Ventilation	Excessive Ventilation	Optimal	Normal	Inadequate Ventilation	Poor	Very Poor	Unacceptable

30	25	20	15	10	8	6	5

Amount of Ventilation (cfm/person), 1cfm=1,7 m^3/h