



1.09

<u>Domestic</u> ventilation systems

**DC-SEN** 

Accessories **DUCO** 



# Sensors type DC-SEN

Control switch with integrated CO2 or RH sensor

### **Application**

- Part of Duco's Demand-Driven Natural Ventilation Systems (VNV)
- The control switch with integrated probe measures the rate of CO<sub>2</sub> (indicator for indoor climate) or the humidity and ambient temperature to control the ventilation system
- The CO<sub>2</sub> sensor is applied as standard with the **Duco Tronic system**
- The humidity sensor is applied as standard in the bathroom, laundry room or similar rooms with the **Duco Tronic system**
- The CO2 sensor is applied as standard in the living room and bedrooms for the **Duco Tronic system**
- The probes can be applied in the **DucoBox Energy**

### **Specifications**

- Material: PC-ABS
- Connection voltage (VAC): 230 (RF) (VDC): 24 (Wired) To be defined at installation
- Measuring range: relative humidity or CO2 and temperature
  Operating range: 0 to 40°C, not water resistant
  Color: black control or white control

- Fixation:
  - Mounting box with screw and 60 mm depth with 230 V connection or 5-wire cable (5 x 0.8 mm solid wire) for wired communication
  - Switch material with dimensions 45 x 45 mm
- Placement:
  - CO2 sensor in the living room / open kitchen
  - Humidity sensor in the bathroom, laundry room, storage room and similar rooms
  - Installation at a height of 0.5 and 1.5 meters measured from the ground, preferably near a light switch

## Composition

- The CO2 room sensor is available in 2 versions: with control switch or **withou**t
- The RH room sensor is only available **wit**h control switch The room sensors are available in black or white version



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## **Accessories**

■ For Wired/24 VDC components, a 230 VAC to 24 VDC type **DHDR8-24/36** must be provided

#### **Order example**

DC-SEN/CV CO2 RF230/W24 W

Explanation: **DC:** DUCO SEN: sensor

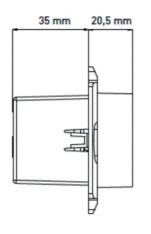
CV: controller CO2: CO2 sensor 230/W24: Supply voltage 230V AC of 24 VDC

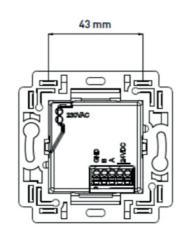
Technical data			
	DC-SEN/CV CO2 RF230/W24	DC-SEN/CV RH RF230/W24	DC-SEN CO2 RF230/W24
Width x height x depth	69 x 69 x 17 mm	69 x 69 x 55,5 mm	69 x 69 x 55,5 mm
Weight	182 g	179 g	182 g
Display	4 LED RGB	4 LED RGB	1 LED RGB
Color	Black or white		
Material	PC-ABS	PC-ABS	PC-ABS
Nutrition	230V / 24VCC	230V / 24VCC	230V / 24VCC
Peak power	1,8W	1,2W	1,8W
Précision CO2	40 ppm +/- 5%		40 ppm +/- 5%
RH range		0 - 100% RH	
Polarity protection	Pont de Graetz		

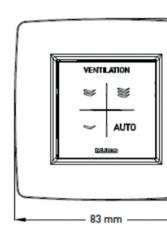


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## RF-WIRED / 230VCA - 24VCC







## RF-WIRED / 230VCA - 24VCC

