



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 CO₂ (indicator for indoor climate) or the humidity and ambient temperature to control the ventilation system
- The CO₂ 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 **without** control switch
- The RH room sensor is only available **with** control switch
- The room sensors are available in black or white version

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

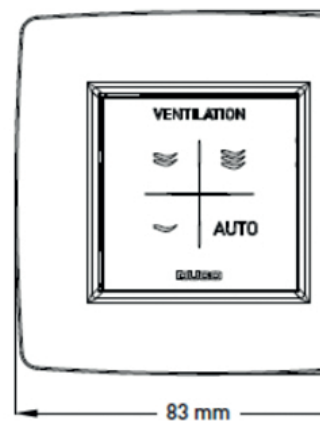
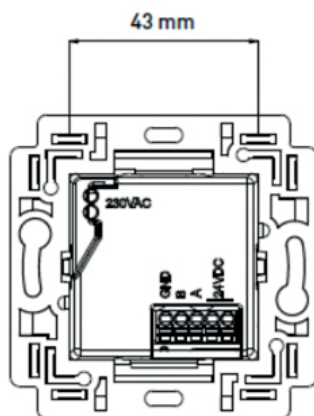
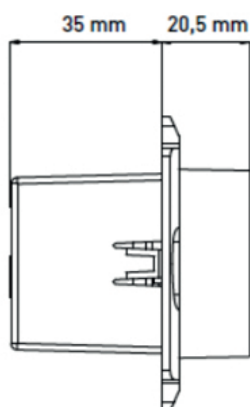
CO2: CO2 sensor

230/W24 : Supply voltage 230V AC of 24 VDC

W : White

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		

RF-WIRED / 230VCA - 24VCC



RF-WIRED / 230VCA - 24VCC

