

Axial heat and smoke exhaust fan**11017180****230 V/24 V power supply for Sens CO2 sensor**

The Sens CO2 sensor measures the level of CO2 precisely, to adapt the airflow to optimise indoor air quality and energy consumption

**PRODUCT BENEFITS**

- especially suited to large-volume rooms,
- compatible with all products with 0-10V input (VAV damper, fans, etc.).

REGULATIONS AND COMPLIANCES

Technical Opinion no.: 14.5/16-2185_V1

Principles of operation

The Sens CO2 sensor sends a 0-10V signal proportional to the CO2 level to directly control the fan speed controller (AHU or box fan) or to adapt the opening of a VAV type motorised damper.

Product description

The Sens CO2 sensor measures CO2 levels and ambient temperature in a room. The concentration of CO2 is measured by absorption of infra red light. This CO2 measurement is not affected by dust or water vapour.

Fields of application

Multi-occupancy residential housing, New, Refurbishment, Non-residential buildings

Installation

- installed on wall in room covered,
- installation height on wall: from 1.5 to 3.5 m,
- avoid air currents (doors, air supply, etc.) and dead zones (shelves, curtains, etc.),
- avoid proximity of heat sources and occupants (radius of 1 to 2 m from a workstation).

Reference arguments

- Metal finishing hatch with frame to conceal the product in a suspended ceiling or vertical installation: version with or without porthole.
- Mounting cradle (standard on Premium version).
- 2-in-1 monobloc distribution unit (supply/return) for Optiflex ducts.
- Duct cover: Decorative metal cover to be installed above or below the unit for discreet integration of ductwork.
- Exclusive Aldes filters: Dust, pollen, fine particles, bacteria (for use with pollen filter) and VOC. Additional range items: InspirAIR® Home SC are also compatible with the following accessories:
 - CO2 sensor.
 - BCA Bus pre-heating coil.
 - Bahia Curve Bus terminal, humidity-controlled kitchen extract terminal.
 - Connector D160 (plastic or galvanised).

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Main characteristics

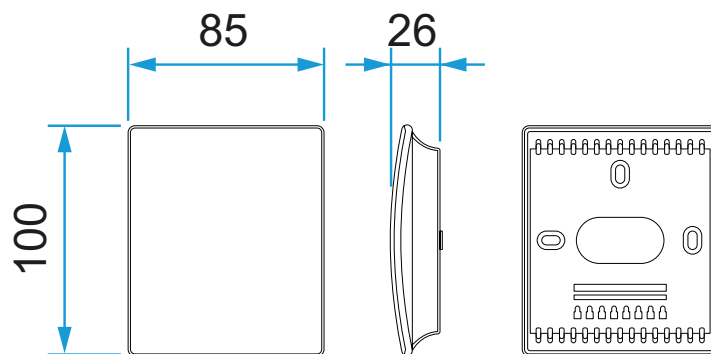
- CO2 sensor measurement range: 0 to 2000 ppm,
- temperature measurement range: 0 to 50°C,
- output signal: 0-10V,
- power supply: 24 V.

Accessories

Description	Variants
InspirAIR® Side 240 Premium RH	11023312
InspirAIR® Side 370 Premium RH	11023316
InspirAIR® Side 370 Premium LH	11023317
InspirAIR® Side 240 Premium LH	11023313
InspirAIR® Side 370 Classic Modbus Right side	11023448
InspirAIR® Side 370 Classic Modbus Left side	11023449
InspirAIR® Side 240 Classic Modbus Right side	11023446
InspirAIR® Side 240 Classic Modbus Left side	11023447
InspirAIR® Side 150 Premium LH	11023456
InspirAIR® Side 150 Premium RH	11023455
InspirAIR® Side 150 Classic Modbus Right side	11023457
InspirAIR® Side 150 Classic Modbus Left side	11023458
InspirAIR® Top 300 Premium	11023474
InspirAIR® Top 450 Premium	11023476
InspirAIR® Top 450 Classic	11023475
InspirAIR® Top 450 ERV Premium	11023478
InspirAIR® Top 300 ERV Premium	11023477
InspirAIR® Top 300 Classic	11023473

Dimensional data

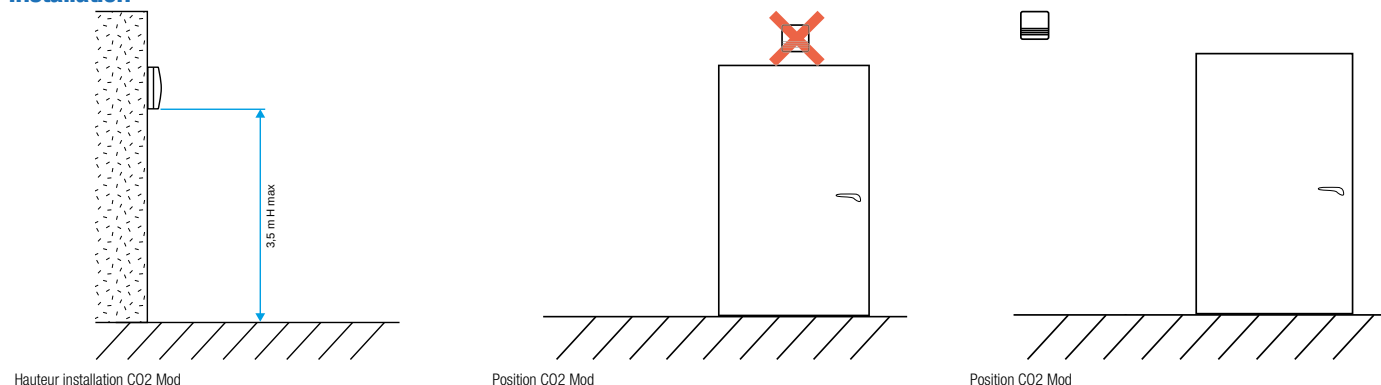
Variants	Height (mm)	Width (mm)	Weight (kg)	Depth (mm)
11017180	93	52,5	0,38	66



Electrical datas

Variants	Voltage (V)	Output signal
11017180	230	24

Installation



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