Flux+ Room Sensor

The Flux+ ventilation system (both Flat and Wall) can be extended with Renson Sense room sensors to control the flow rate and regulate local air quality. These 230V powered sensors communicate wirelessly through RF with the ventilation unit. This provides a further increase in air quality and a reduction in the E level. The following configurations can be combined with room sensors for Flux+: Rf 0.87, 0.70 and 0.61.

Primary features

- Kit of preconfigured room sensors: very easy and quick to install
- RF Dongle provides a stable wireless RF communication between ventilation unit and sensors via mesh network
- Touch control with 4 different ventilation settings
- Built-in discrete filter message & error message
- Clean finish thanks to recessed version
- Offered in various kits, consisting of an RF dongle in combination with a number of room sensors, depending on the desired configuration and number of rooms

Article codes

Article code	Description	Contents
11668	Kit FPF Room sensor 1X Sense	1x Sense + 1x RF dongle
9490	Kit FPF Room sensor 2X Sense	2x Sense + 1x RF dongle
10902	Kit FPF Room sensor 3X Sense	3x Sense + 1x RF dongle
9491	Kit FPF Room sensor 4X Sense	4x Sense + 1x RF dongle
10903	Kit FPF Room sensor 5X Sense	5x Sense + 1x RF dongle
9492	Kit FPF Room sensor 6X Sense	6x Sense + 1x RF dongle
9493	Kit FPF Room sensor 7X Sense	7x Sense + 1x RF dongle
10905	Kit FPF Room sensor 8X Sense	8x Sense + 1x RF dongle
10901	Sense as room sensor	
11667	RF dongle	

Each Sense includes a built-in bracket & accompanying 230V power supply.

Technical specifications

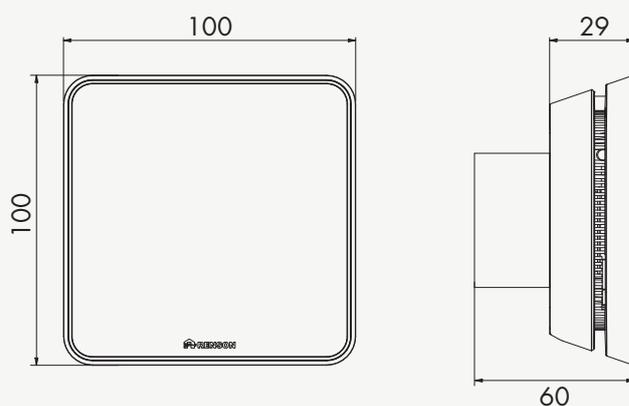| Sensor	Range
CO_2	NDIR CO_2 sensor measurement range: 400-5000ppm Accuracy: ±5% + 40ppm (in range: 400-2000ppm)
Relative humidity	Measurement range: 0-100% Accuracy: ±2% (in range: 10-90%)
VOC	Relative, i.e. indicates when volatile organic compounds change
Temperature	Measurement range: -10°C → +60°C Accuracy: ±0.2°C (in range: 0- 60°C)
Other specifications	
Connection voltage for room sensor	230VAC, 50-60Hz
RF dongle connection voltage	USB connection 5VDC
Length of USB cable	1.5 m

After a manual touch, the CO_2 concentration is shown on the LED ring using the following colour code:

BLUE	ORANGE	RED
Air quality is good	Air quality is moderate	Air quality is poor

The Sense can also be connected in the Sense app as a room sensor, which gives you access to broader insights for your interior comfort.

Technical drawing

Sense as a room sensor

RF dongle