

FEATURES

- CO₂ measurement accessory to be connected on USB-C port of compatible devices
- True CO₂ sensor with NDIR photoacoustic technology
- Dimensions 28.8 x 28.2 x 16 mm
- Installation on USB-C port of compatible devices
- WELL Building Standard certification compatible.
- Conformity with the CE and RCM directives (marks on the back side)

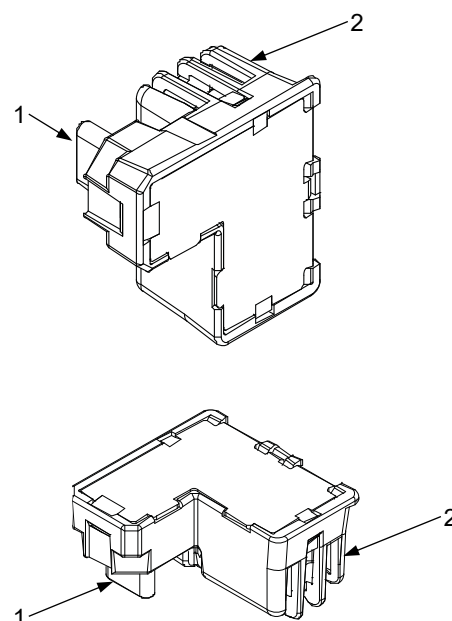


Figure 1: CO₂ Sensor

1. USB-C connector		2. Air inlet	
GENERAL SPECIFICATIONS			
CONCEPT		DESCRIPTION	
Type of device		Electric operation control device	
Maximum consumption	Voltage	mA	mW
	29 VDC (typical)	27 (to be added to the main device)	783 (to be added to the main device)
	24 VDC ^{1 2}	35 (to be added to the main device)	840 (to be added to the main device)
Connection type		USB-C	
External power supply		Not required	
Operation temperature		0 .. +45 °C	
Storage temperature		-20 .. +55 °C	
Operation humidity		5 .. 95%	
Storage humidity		5 .. 95%	
Protection class		III	
Operation type		Continuous operation	
Device action type		Type 1	
Electrical stress period		Long	
Complementary characteristics		Class B	
Degree of protection		IP20 / 2 (clean environment)	
Installation		Accessory to be connected on USB-C port of compatible device	
Minimum clearances		Not required	
Weight		6 g	
Housing material		PC FR V0 halogen free	

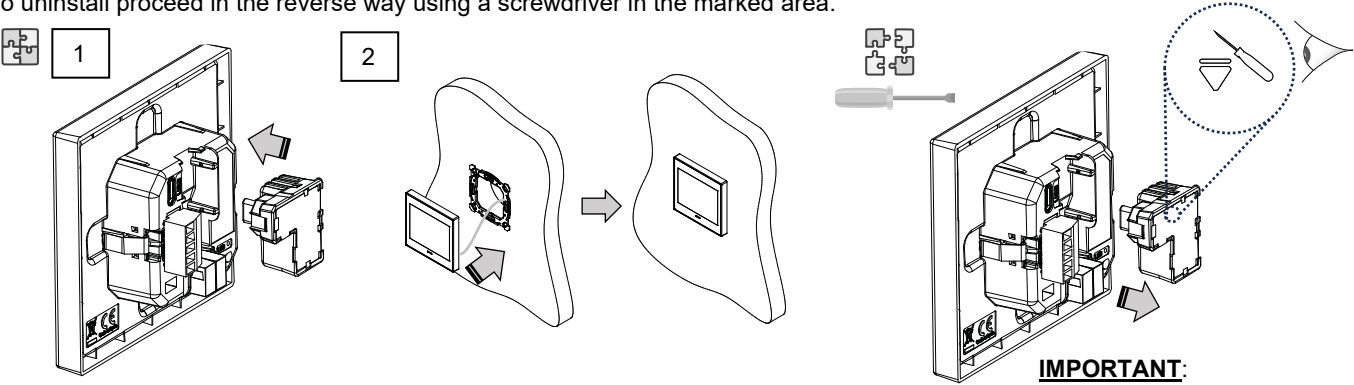
¹ Maximum consumption in the worst-case scenario (KNX Fan-In model).

² Using the sensor, the supply voltage range is 24 - 31 VDC

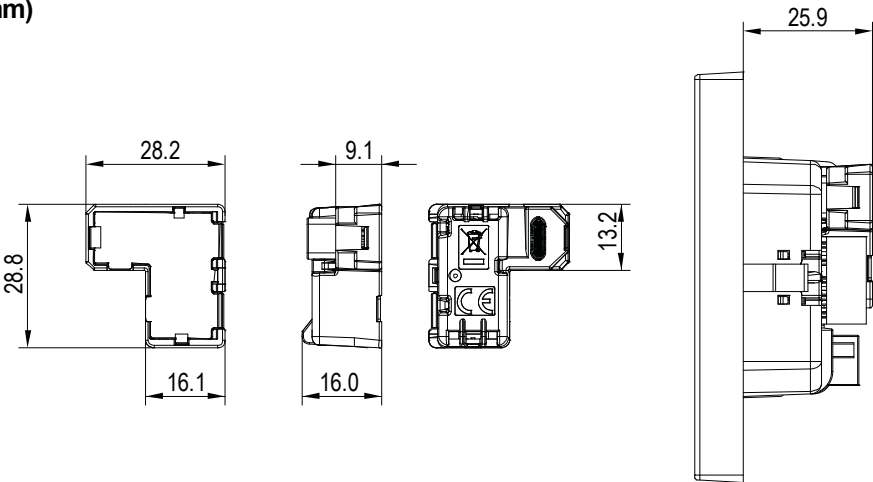
CO2 SENSOR SPECIFICATIONS	
CONCEPT	DESCRIPTION
CO2 measurement range	400 - 2000 ppm
CO2 resolution / accuracy	1 ppm / ± 50 ppm
CO2 drift	± 5 ppm per year

INSTALLATION INSTRUCTIONS

1. Connect the dongle to the compatible device.
 2. Install the device in the backbox checking that the air inlets are not blocked. To improve the measurement, it is recommended to use a sealed flush-mounted box.
- To uninstall proceed in the reverse way using a screwdriver in the marked area.



DIMENSIONS (mm)



SAFETY INSTRUCTIONS AND ADDITIONAL NOTES

- Installation should only be performed by qualified professionals according to the laws and regulations applicable in each country.
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- Keep the device away from water (condensation over the device included) and do not cover it with clothes, paper or any other material while in use.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at <https://zennio.com/weee-regulation>.