Zennio®

Temperature probe
ZAC-SQAT

FEATURES

- Temperature probe.
- 0.5ºC accuracy (@25ºC).
- 0.1ºC measure precision.
- Size: 90.2mm x 90.2mm.
- Magnetic fit with security mechanism to avoid accidental extraction. Metallic stand included.
- CE directives compliant.

1. Magnet	**2.** Input connector	**3.** Front glass
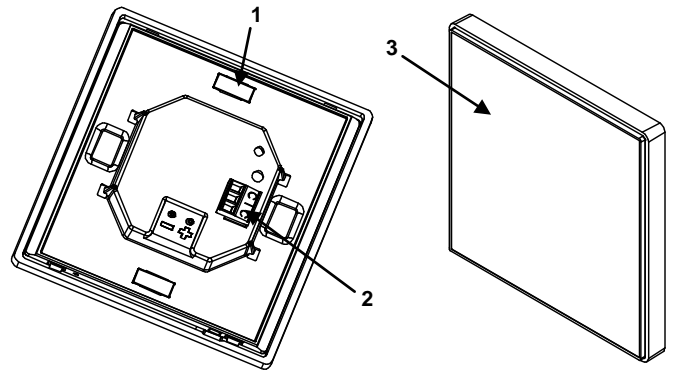
Figure 1: SQ-AmbienT

GENERAL SYSTEM SPECIFICATIONS

CONCEPT	DESCRIPTION
External power supply	No
Ambient temperature	from 0ºC to +55ºC
Storage temperature	from -20ºC to +70ºC
Ambient humidity	5 to 95% RH (no condensation)
Storage humidity (relative)	5 to 95% RH (no condensation)
Complementary characteristics	Class B
Safety class	III
Device action type	Type 1
Type of protection	IP20, clean environment
Assembly	Vertical position. See example in "installation diagram"
Weight	79.5 gr.
PCB CTI index	175 V
Enclosure	PC+ABS FR V0 halogen free
Thermistor value (@25ºC)	6.8kΩ
Accuracy (@25ºC)	0.5ºC
Temperature measure precision	0.1ºC
Cable cross-section	0.15 mm² - 1.5 mm² (26-16AWG)
Max. cable length	30m.

MAIN DIMENSIONS (mm)

INPUT CONNECTION

SQ-AmbienT can be wired to any input of Zennio products that allow temperature probes
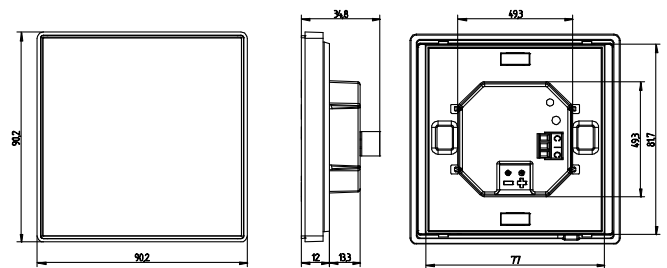
SQ-AmbienT input connector
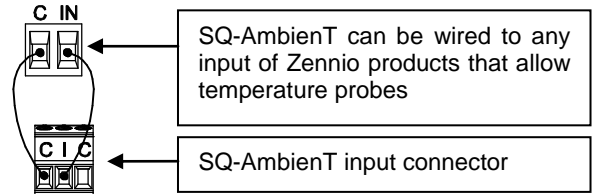
INSTALLATION AND CONNECTION DIAGRAM

Step 1: Place the metallic stand into a squared or rounded standard mounting box with the own screws from the box.
Step 2: Connect the input terminal at the rear of the device.
Step 3: Fit SQ-AmbienT in the metallic stand. The device is fixed thanks to the magnets.
Step 4: Slid SQ-AmbienT downwards to fix it with the security anchorage system. Check, from the side, that nothing unless SQ-AmbienT outline can be seen.
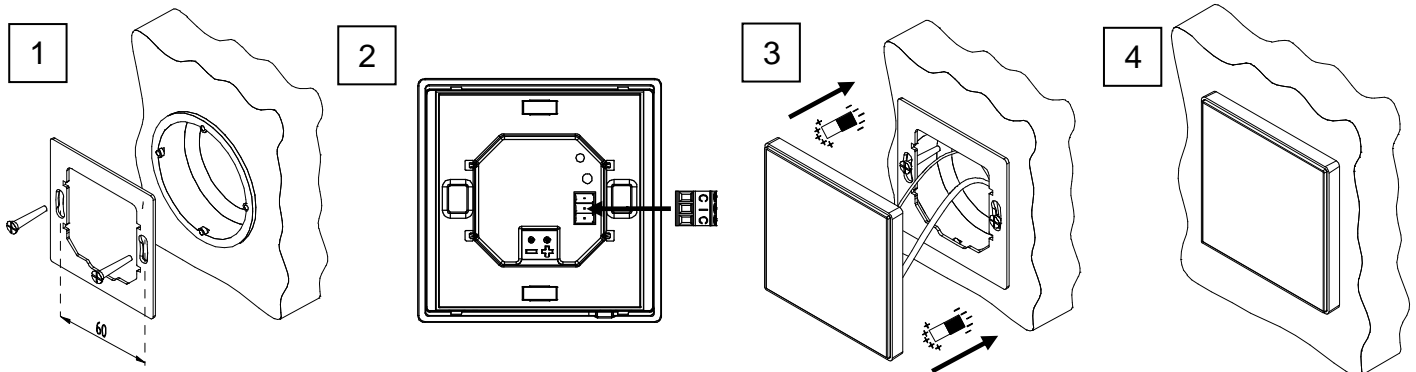
INSTALLATION ADVICES

In order to ensure the best measurement results, keep away from the next external influences:

- Direct sunlight.
- Drafts from windows, doors or ducts.
- Warm or cold structures due to, for example, sunlight, heating or cold water pipes.

The WEEE logo means that this device contains electronic parts and it must be discarded properly following the instructions of http://zennio.com/weee-regulation

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