

Capacitive touch panel of 55x55mm with 1/2/4 buttons and customizable printed glass

ZVIF55X4V2 / ZVIF55X2V2 / ZVIF55X1V2

TECHNICAL DOCUMENTATION

FEATURES

- Customizable printed glass with 4/2/1 touch areas with backlight
- Available in the following colors: silver (RAL 9006), anthracite black (RAL 9004), white (RAL 9016) and gloss white (RAL 9003)
- 2 analog/digital inputs
- Thermostat
- · Touch confirmation through acoustic feedback
- Proximity and luminosity sensor
- Total data saving on KNX bus failure
- Integrated KNX BCU (TP1-256)
- Dimensions 55.5 x 55.5 x 35.8 mm
- Flush mount on back box
- Conformity with the CE, UKCA, RCM directives (marks on the back side)

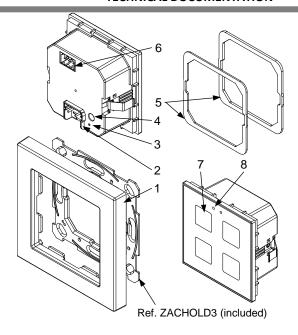


Figure 1: Flat 55 X4 v2

Decorative frame (sold separately)	2. KNX connector	3. Programming LED	4. Programming button
5. Metallic levelling plate (1 and 1.5mm)	Inputs connector	7. Touch area	8. Luminosity and proximity sensor

Programming button: short press to set programming mode. If this button is held while plugging the device into the KNX bus, it enters the safe mode.

Programming LED: programming mode indicator (red). When the device enters the safe mode, it blinks (red) every half second. During the start-up (reset or after KNX bus failure) and if the device is not in safe mode, it emits a red flash.

Type of device Electric operation control device Electric operation control device Electric operation control device 29 VDC SELV	GENERAL S	SPECIFICATION	ONS			
Voltage (typical)	CONCEPT		DESCRIPTION			
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¹ Maximum consumption in the worst-case scenario (KNX Fan-In model).

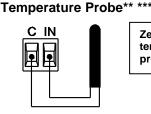
INPUTS SPECIFICATIONS AND CONNECTIONS			
CONCEPT	DESCRIPTION		
Number of inputs	2		
Inputs per common	2		
Operation voltage	+3.3 VDC in the common		
Operation current	1 mA @ 3.3 VDC (per input)		
Switching type	Dry voltage contacts between input and common		
Connection method	Pluggable screw terminal block (0.2 Nm max.)		
Cable cross-section	0.2-1.5 mm ² (IEC) / 28-14 AWG (UL)		
Maximum cable length	30 m		
NTC accuracy (@ 25 °C) ²	±0.5 °C		
Temperature resolution	0.1 °C		
Maximum response time	10 ms		

² For Zennio temperature probes.

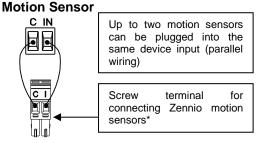
FRAME TEMPERATURE SENSOR SPECIFICATIONS		
CONCEPT	DESCRIPTION	
Measuring range	-30 +90 °C	
Temperature resolution	0.1 °C	
NTC accuracy (@ 25 °C)	±0.5 °C	

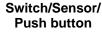
INPUTS CONNECTION

Any combination of the following accessories is allowed on the inputs:



Zennio temperature probe.

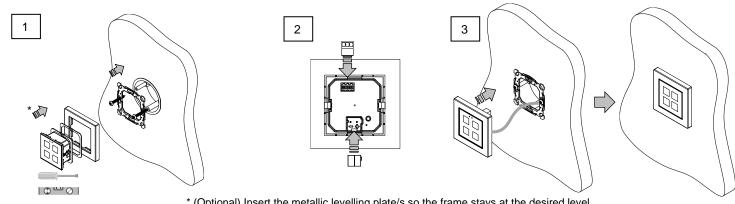






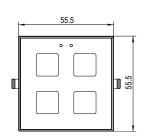
must not be connected together.

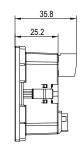
INSTALLATION INSTRUCTIONS

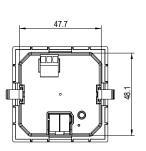


* (Optional) Insert the metallic levelling plate/s so the frame stays at the desired level.

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.
- Do not connect the mains voltage nor any other external voltage to any point of the KNX bus; it would represent a risk for the entire KNX system. The facility must have enough insulation between the mains (or auxiliary) voltage and the KNX bus or the wires of other accessories, in case of being installed.
- 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.
- In order to improve the lifespan of the LED indicators, parameterising constant lighting is not recommended.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at https://www.zennio.com/en/legal/weee-regulation.
- This device contains software subject to specific licences. For details, please refer to https://zennio.com/licenses.

^{*} In case of using ZN1IO-DETEC-P sensor, its micro switch number 2 must be in **Type B position**.

^{**} May be a Zennio temperature probe or any NTC with known resistance values at three points in the range [55, 150 °C].

^{***} To use a temperature probe as an internal sensor, a proper thermal transfer must be ensured, for example, by installing it in the small internal notch of the Zennio decorative frame (sold separately).