

Access Controller with display ZVIIWACDV2

FEATURES

- Room access control through NFC technology access cards (Mifare DESFIRE EV1 and Classic).
- 3 touch areas.
- Encrypted serial communication with Securel (ZIO-SEC) within the safe zone.
- Sound notifications and visual notifications through OLED display.
- Total data saving on power failure.
- Auxiliary power supply required.
- 2 inputs configurable as binary input, temperature probe or motion detector.
- Integrated KNX BCU.
- Dimensions 81 x 81 x 28mm.
- Flush mount in mechanism box.
- Conformity with CE directives (CE-mark on the back side).

Technical Documentation

IWAC Display v2

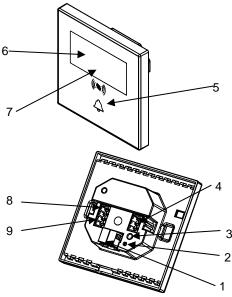


Figure 1. IWAC Display v2

1. KNX connector	2 . Pro	gramming LED	3. Programming button	4. Inputs
5. Touch areas	6. OLED display	7. NFC antenna	8. Auxiliary Power Supply	9. Encrypted communication port

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

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

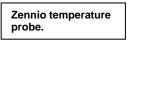
GENERAL SPECIFICATIONS							
CONCEPT			DESCRIPTION				
Type of device			Electric operation control device				
Voltage (typical)		al)	29VDC SELV				
KNX supply	Voltage range		2131VDC				
		Voltage	mA	mW			
	Maximum	29VDC (typical)	3.03	87.87			
	consumption	24VDC ⁽¹⁾	10	240			
	Bus connection		Typical bus connector TP1 for rigid cable 0.80mm ø				
External power supply			24VDC. Maximum consumption: 60mA				
Operation temperature			from 5°C to +45°C				
Storage temperature			from -20°C to +55°C	from -20°C to +55°C			
Operation humidity			5 to 95% RH (no condensation)				
Storage humidity			5 to 95% RH (no condensation)				
Complementary characteristics		eristics	Class B				
Protection class							
Operation type			Continuous operation				
Device action type			Type 1				
Electrical stress period			Long				
Degree of protection			IP20, clean environment				
Installation			Flush mount in mechanism box				
Minimum clearances			Not required				
Response on KNX bus failure		ailure	Data saving according to parameterization				
Response on KNX bus restart		estart	Data recovery according to parameterization				
Operation indicator			Programming LED indicates programming mode (red). The display indicates the number of the room.				
Weight			86g				
PCB CTI index			175V				
Housing	material		PC+ABS FR V0 halogen free				

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

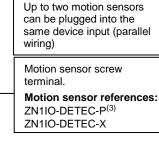
EXTERNAL POWER SUPPL	POWER SUPPLY / COMMUNICATION	
CONCEPT	DESCRIPTION	CONNECTION DIAGRAM
Voltage range	24VDC	IWAC Display v2
Current range	60mA	+ 🕅
Connection method	Cable screw terminal	 〒 〒 〒 へ 風 風 風
Cable cross-section	0.5mm ² to 1.5mm ² (26-14AWG)	
INPUT SPECIFICATIONS AN	SAFE ZONE	
CONCEPT	DESCRIPTION	Electric Strike Securel
Number of inputs	2	
Inputs per common	2	
Operation voltage	+3.3VDC in the common	
Operation current	1.0mA @ 3.3VDC (per input)	
Impendace per input	Approx. 3.3kΩ	24VDC Power Supply
Switching type	tching type Dry voltage contacts between input and common	
Connection method	Pluggable screw terminal block	
Maximum cable length	30m	
NTC probe length	1.5m (up to 30m)	
NTC accuracy (@ 25°C)	±0.5°C	• Importants The southers 24)/DC
Temperature resolution	0.1°C	power must remain connected to
Cable cross-section	0.5mm ² to 1.5mm ² (26-14AWG)	the device during downloads
Maximum response time		

Any combination of the next accessories is allowed in the inputs: **Temperature Probe** Motion Sensor

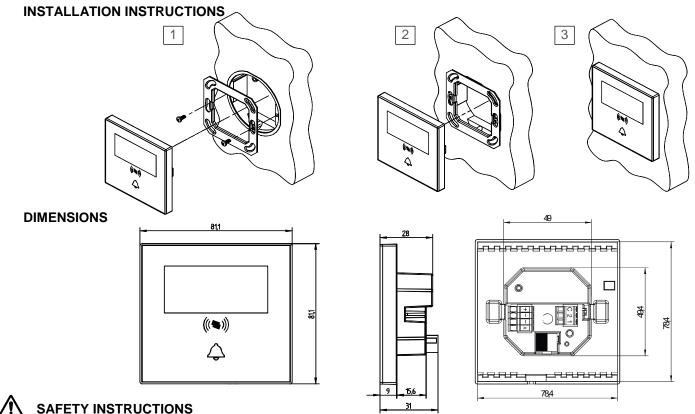








⁽³⁾ The micro switch number 2 in the ZN1IO-DETEC-P must be in Type B position to work properly.



• 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 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 http://zennio.com/weee-regulation.

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Edition 1

Switch/Sensor/

Push button

С IN