Z70 v2

Full Color Capacitive Touch Panel with 7" Display

ZVIZ70V2

FEATURES

- 7" full-color capacitive touch panel (1280x800 pixels)
- Available in the following colors: silver (RAL 9006), anthracite black (RAL 9004), white (RAL 9016) and gloss white (RAL 9003)
- 16 million color LCD display
- Proximity and luminosity sensor
- Loudspeakers for acoustic notifications
- 2 independent thermostats
- Optional features according to the license type (sold separately): Remote control from app, voice control, video intercom and internal calls
- Video intercom / IP camera compatibility: P2P SIP; G722/G721/G711u (PCMU) audio codecs; H264 video codec; DTMF (RFC 2833); mjpeg
- 4 analog/digital inputs
- Built-in temperature probe
- External 24-29 VDC power supply
- Micro-USB connection for firmware update and additional functionalities
- Ethernet connection
- Clock with NTP support
- Total data saving on KNX bus failure
- Integrated KNX BCU (TP1-256)
- Dimensions 189 x 137 x 37 mm (it protrudes 11.8 mm from the wall)
- Flush mount on double European and double British standard mounting box
- Conformity with the CE, UKCA, RCM directives (marks on the back side)

1. Touch screen	Luminosity and pr	oximity sensor	3. Inputs o	connector	4. Power input	5. Programming button
6. Programming LED	KNX connector	8. Micro-USB	connector	9. Etherne	t connector	10. Temperature probe
11. Microphone	12. Loudspeakers					

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.

DESCRIPTION			
Electric operation control device			
29 VDC SELV			
21-31 VDC			
mA	mW		
5	145		
10	240		
Typical TP1 bus connector for 0.8 mm Ø rigid cable			
24-29 VDC. Maximum consumption: 375 mA (24 VDC) - 300 mA (29 VDC).			
5 +45 °C			
-20 +55 °C			
595%			
595%			
Class B			
Continuous operation			
Туре 1			
Long			
IP20, clean environment			
With flush-mounted back box and fixing through pressure clips			
Not required			
Data saving according to parameterization			
Data recovery according to parameterization			
The programming LED indicates programming mode (red). Backlighting of the display depending on the parameterization.			
470 g			
PC+ABS FR V0 halogen free			
	Electric operation control device 29 VDC SELV 21-31 VDC mA 5 10 Typical TP1 bus connector for 24-29 VDC. Maximum consum 5+45 °C -20+55 °C 595% Class B III Continuous operation Type 1 Long IP20, clean environment With flush-mounted back box a Not required Data saving according to parar Data recovery according to parar The programming LED indicate the display depending on the p 470 g		

Edition 7

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

© Zennio Avance y Tecnología S.L.

Ref. 9900023 (included)

TECHNICAL DOCUMENTATION

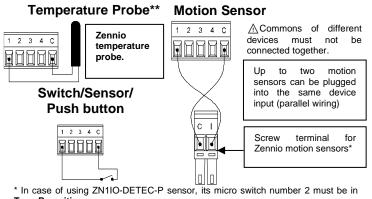


Further information www.zennio.com

INPUTS SPECIFICATIONS AND CONNECTIONS					
CONCEPT	DESCRIPTION				
Number of inputs	4				
Inputs per common	4				
Operation voltage	+3.3 VDC in the common				
Operation current	1 mA @ 3.3 VDC (per input)				
Switching type	Dry voltage contacts between input				
Switching type	and common				
Connection method	Pluggable screw terminal block				
	(0.3 Nm max.)				
Cable cross-section	0.2-1 mm ² (IEC) / 26-16 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.					

INPUTS CONNECTION

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



Type B position. Zennio temperature probe or any NTC with known resistance values at three points in the range [-55, 150 °C]

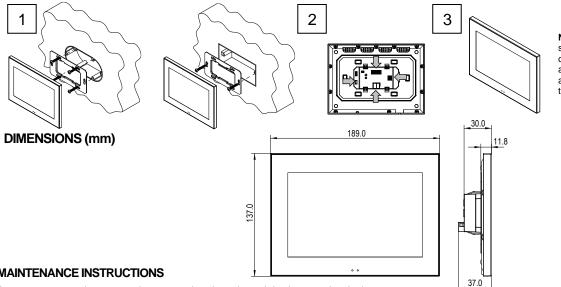
	points in the range [-55, 150 °C].	
EXTERNAL POWER SUP	PPLY AND PORTS SPECIFICATIONS AND CONNECTIONS	
CONCEPT	DESCRIPTION	
Voltage	24-29 VDC	
Current	375 mA (24 VDC) - 300 mA (29 VDC)	
Connection method	Pluggable screw terminal block (0.3 Nm max.)	
Cable cross-section	0.2-1 mm ² (IEC) / 26-16 AWG (UL)	
USB connector	Micro USB Type B connector. Use it only for the functionality specified in the manual. Do not connect neither to PC, hard drives nor other devices whose consumption is over 150 mA.	
Ethernet Connector	RJ-45 female connector	
INTERNAL TEMPERATU	IRE SENSOR SPECIFICATIONS	
CONCEPT	DESCRIPTION	
Measuring range	-10 50 °C	
NTC accuracy (@ 25 °C) ²	±0.5 °C	
Temperature resolution	0.1 °C	
Calibration	n The temperature sensor should be calibrated through the application program. Moreover, to avoid fluctuations in the temperature measurement, the flush-mounted box must be completely sealed once the cables are inside. Airtight boxes, polyurethane foam, silicone rubber or similar non-breathable construction materials can be used. It is not recommended to use this temperature sensor for a thermostatic control.	

INSTALLATION INSTRUCTIONS

1. Fix the metal plate into a double back box by using the screws from the box, checking that it is levelled.

2. Connect the KNX bus, the Ethernet, the power supply and the inputs terminal to the back of the device.

3. Fit the device into its final position and check that the strength of the clips is enough to fix the device. Check that the metal plate is completely hidden by the device.



NOTE: During the device start-up, please select the option postpone the to acceptance of the EULA legal agreement, thus transferring it to the end user.

MAINTENANCE INSTRUCTIONS

- Do not use aerosol sprays, solvents, or abrasives that might damage the device.
- Clean the product with a clean, soft, damp cloth.

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.
- 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.

© Zennio Avance y Tecnología S.L.

Edition 7

Further information www.zennio.com