Tecla XL X4/X6/X8/X10

Polycarbonate Capacitive push button with 4/6/8/10 buttons and custom icons

ZVITXLX4 / ZVITXLX6 / ZVITXLX8 / ZVITXLX10 **TECHNICAL DOCUMENTATION**

FEATURES

- Customizable polycarbonate surface with 4/6/8/10 touch areas with backlight
- Available colour, please refer to: https://www.zennio.com/finishes
- Thermostat
- Built-in temperature sensor
- Touch confirmation through acoustic feedback
- Luminosity and proximity sensor
- Total data saving on KNX bus failure
- Integrated KNX BCU (TP1-256)
- Dimensions 119.4 x 79.8 x 23.2 mm
- Portrait or landscape flush mount on standard European, Italian, Australian and American mounting box
- Conformity with the CE, RCM directives (marks on the back side)

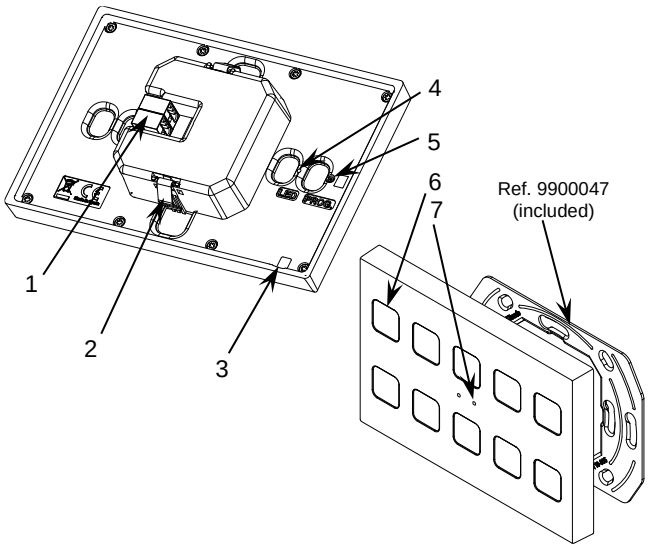


Figure 1: Tecla XL X10

1. KNX connector	2. Fixing clips	3. Temperature sensor	4. Programming LED
5. Programming button	6. Touch area	7. 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.

GENERAL SPECIFICATIONS

CONCEPT			DESCRIPTION	
Type of device			Electric operation control device	
KNX supply	Voltage (typical)		29 VDC SELV	
	Voltage range		21-31 VDC	
	Maximum consumption	Voltage	mA	mW
		29 VDC (typical)	ZVITXLX10 (22.7) ZVITXLX8 (19.2) ZVITXLX6 (16.0) ZVITXLX4 (12.8)	ZVITXLX10 (658.3) ZVITXLX8 (556.8) ZVITXLX6 (464) ZVITXLX4 (371.2)
		24 VDC[1]	ZVITXLX10 (30) ZVITXLX8 (25) ZVITXLX6 (20) ZVITXLX4 (17.5)	ZVITXLX10 (720) ZVITXLX8 (600) ZVITXLX6 (480) ZVITXLX4 (420)
	Connection type		Typical TP1 bus connector for 0.8 mm Ø rigid cable	
External power supply			Not required	
Operation temperature			0 .. +55 °C	
Storage temperature			-20 .. +55 °C	
Operation humidity			5 .. 95%	
Storage humidity			5 .. 95%	
Complementary characteristics			Class B	
Protection class			III	
Operation type			Continuous operation	
Device action type			Type 1	
Electrical stress period			Long	
Degree of protection			IP20, clean environment	
Installation			Flush mount on back box	
Minimum clearances			Not required	
Response on KNX bus failure			Data saving according to parameterization	
Response on KNX bus restart			Data recovery according to parameterization	
Operation indicator			The programming LED indicates programming mode (red). Backlighting of touch areas depending on their parameterization.	
Weight			123 g	
Housing material			PC (front part) / PC+ABS (rear part) FR V0 halogen free	

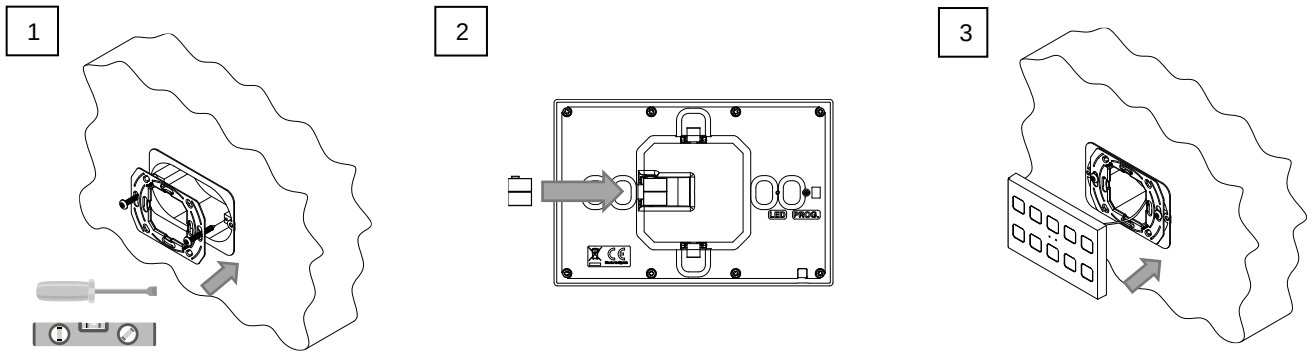
[1] Maximum consumption in the worst-case scenario (KNX Fan-In model).

INTERNAL TEMPERATURE SENSOR SPECIFICATIONS	
CONCEPT	**DESCRIPTION**
Measuring range	-30 .. +90 °C
Temperature resolution	0.1 °C
NTC accuracy (@ 25 °C) [2]	±0.5 °C

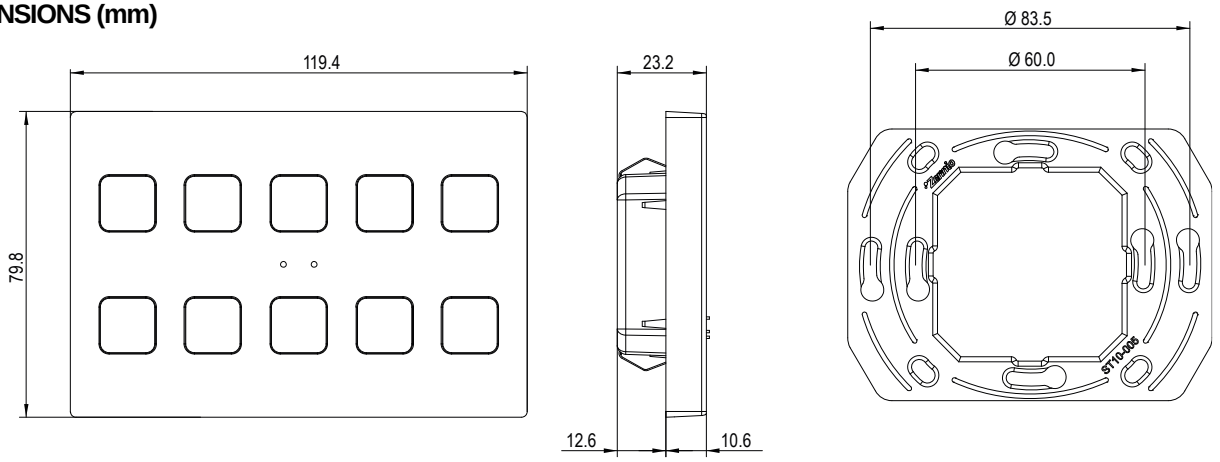
[2] The accuracy of the NTC sensor may be reduced in case of keeping the backlight status LEDs permanently on.

INSTALLATION INSTRUCTIONS

1. Fix the metal plate into a square or round back box by using the screws from the box, checking that it is levelled.
2. Connect the KNX bus 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.



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.