

FEATURES

- Control of an electric strike through semiconductor switch.
- Encrypted serial communication with control access device for the door opening.
- Total data saving on power failure.
- Auxiliary power supply required.
- Integrated KNX BCU.
- Dimensions 67 x 90 x 35 mm (2 DIN units).
- DIN rail mounting (EN 50022), with fixing clamp.
- Conformity with CE directives (CE-mark on the right side).

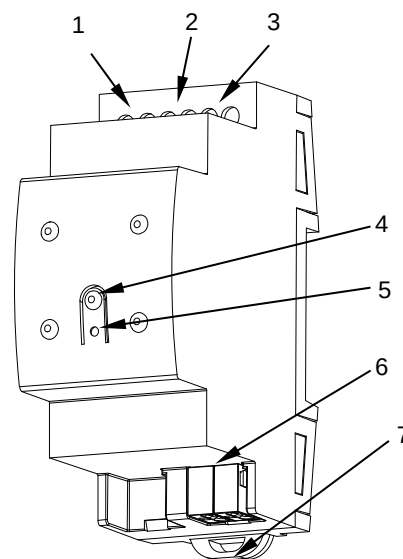


Figure 1: Securel v2

1. Auxiliary power supply	2. Electric strike output	3. Encrypted communication	4. Programming button
5. Programming LED	6. KNX connector	7. Fixing clamp	

Programming button: short button press to set programming mode. If this button is held while connecting the device to the auxiliary power supply, it enters the safe mode. In case that the device is already paired, holding this button for more than three seconds will delete the previous pairing and activate the pairing mode.

Programming LED: programming mode indicator (red). When the device enters the safe mode, it blinks (red) every half second. During the start-up (after reset or power failure) and if the device is not in safe mode, the indicator makes a red flash. The LED will flash in blue colour while the device remains unpaired. Once paired, it will notify the relay status through the green colour.

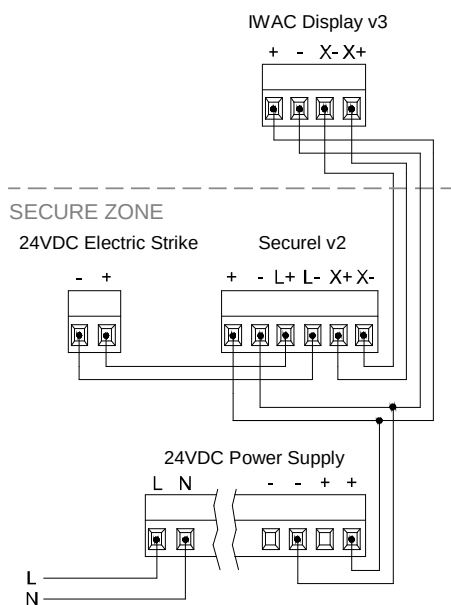
GENERAL SPECIFICATIONS

CONCEPT		DESCRIPTION		
Type of device		Electric operation control device		
KNX supply	Voltage (typical)		29VDC SELV	
	Voltage range		21..31VDC	
	Maximum consumption	Voltage	mA	mW
		29VDC (typical)	2.68	77.72
	24VDC ¹		10	240
Connection type		Typical TP1 bus connector for 0.80mm Ø rigid cable		
External power supply		24VDC. Maximum consumption: 15mA		
Operation temperature		0°C .. +55°C		
Storage temperature		-20°C .. +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		Independent device to be mounted inside electrical panels with DIN rail (EN 50022)		
Minimum clearances		Not required		
Response on external power supply failure		Data saving according to parameterization		
Response on external power supply restart		Data recovery according to parameterization		
Operation indicator		The programming LED indicates the following states depending on its colour: programming mode (red), device unpaired (flashing blue) and relay status (green).		
Weight		76g		
PCB CTI index		175V		
Housing material		PC FR V0 halogen free		

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

EXTERNAL POWER SUPPLY SPECIFICATIONS AND CONNECTIONS	
CONCEPT	DESCRIPTION
Voltage	24VDC
Current	15mA
Connection method	Screw terminal block
Cable cross-section	0.5-2.5mm ² (IEC) / 26-12AWG (UL)

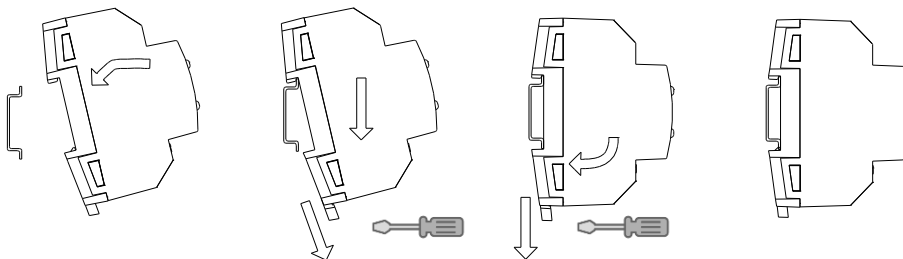
SYSTEM DIAGRAM (IWAC DISPLAY V3, SECUREL V2, POWER SUPPLY AND ELECTRIC STRIKE)



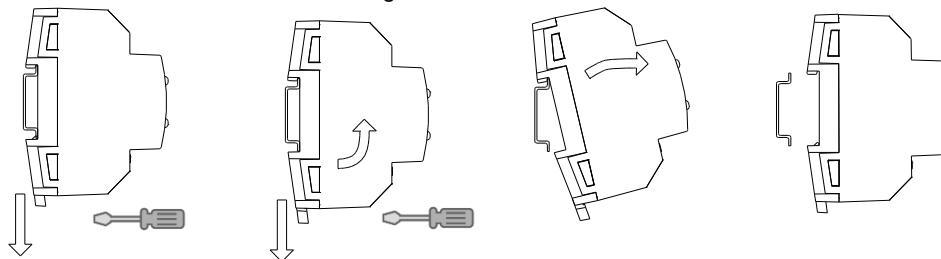
Important notes:

- The auxiliary 24VDC power must remain connected to the device during downloads through the KNX bus.
- This device is designed for standard electric strikes (normally-open circuit, i.e., the lock remains closed in the absence of current). When using fail-safe electric strikes (normally-closed circuit, i.e., the lock opens in the absence of current), a 24VDC normally-closed relay between the fail-safe electric strike and the device must be installed.
- Please, use this device only to control one electric strike. Parallel or serial connection of two or more electric strikes is not allowed.
- The cable length between the power supply, Securel v2 and the electric strike must be lower or equal than **30 meters** at maximum.

Attaching Securel v2 to DIN rail:



Removing Securel v2 from DIN rail:



SAFETY INSTRUCTIONS

- 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.
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- 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 <http://zennio.com/weee-regulation>.

