

FEATURES

- Control of an electric strike through semiconductor switch.
- Encrypted serial communication with IWAC for the opening of the door.
- Total data saving on power failure.
- Auxiliary power supply required.
- Integrated KNX BCU.
- Dimensions 39 x 39 x 14mm.
- Can be mounted within distribution boxes, junction boxes and wall back boxes.
- Conformity with CE directives (CE-mark on the front side).

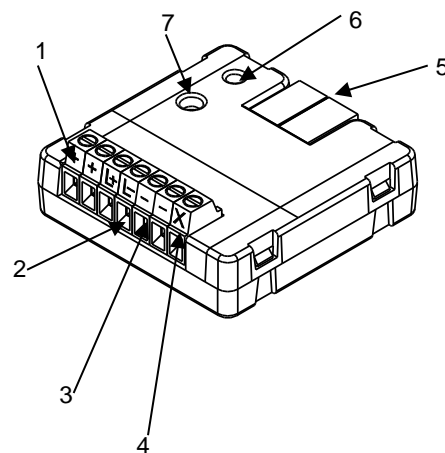


Figure 1. Securel

1. 24VDC+ power supply	2. Electric strike output	3. 24VDC- power supply	4. Encrypted communication
5. KNX connector	6. Programming LED	7. Programming button	

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.

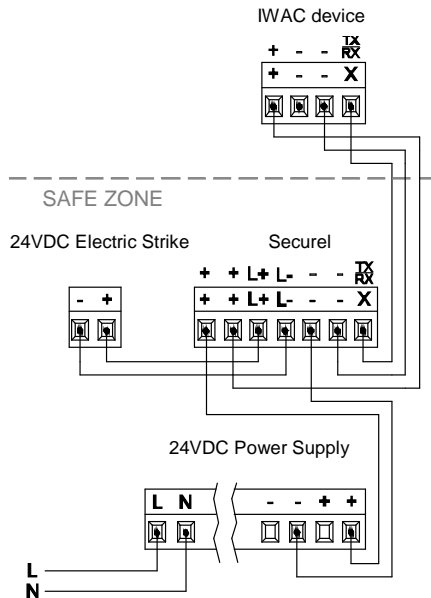
Programming LED: programming mode indicator (red). When the device enters in safe mode, it blinks (red) every half second. During the start-up (after reset or power failure) and if the device is not in safe mode, the indicator makes a red flash. The LED will flash in blue colour while the device remains 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)	2.84	82.36
24VDC ⁽¹⁾	10	240		
Bus connection		Typical bus connector TP1 for rigid cable 0.80mm ø		
External power supply		24VDC. Maximum consumption: 15mA		
Operation temperature		from 5°C to +45°C		
Storage temperature		from -20°C to +55°C		
Operation humidity		5 to 95% RH (no condensation)		
Storage humidity		5 to 95% RH (no condensation)		
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 can be mounted within distribution boxes, junction boxes and wall back boxes.		
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 the following states depending on its colour: programming mode (red), device unpaired (flashing blue) and relay status (green).		
Weight		17g		
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 range	24VDC
Current range	15mA
Connection method	Cable screw terminal
Cable cross-section	0.5mm ² to 1.0mm ² (26-16AWG)

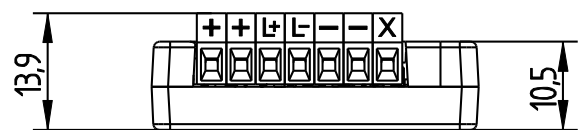
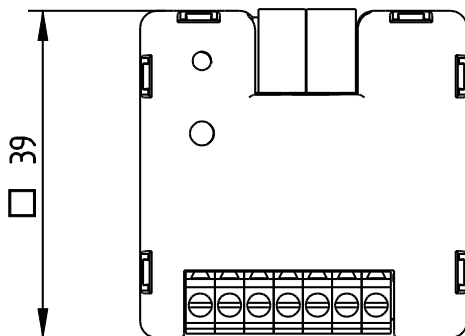
SYSTEM DIAGRAM (IWAC, SECUREL, POWER SUPPLY AND ELECTRIC STRIKE)



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 system must be protected against voltage peaks during the switch-off of the inductive load. To that end, please connect the supplied varistor next to the electric strike.
- The cable length between power supply, SecureL and electric strike must be lower or equal than **30 meters** at maximum.

DIMENSIONS



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.
- 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>.