FEATURES

- Actuator for one (1x) electric strike through a monostable relay
- Encrypted communication with the access control device during the opening of the door, either via serial communication or through a secure KNX object (depending on the access control device)
- Supports KNX Data Secure
- Manual output operation with push button and LED status indicator
- Auxiliary power supply required
- Total data saving on power failure
- Integrated KNX BCU (TP1-256)
- Dimensions 67 x 90 x 36 mm (2 DIN units)
- DIN rail mounting (IEC 60715 TH35), with fixing clamp
- Conformity with CE, UKCA, RCM directives (marks on the right side)

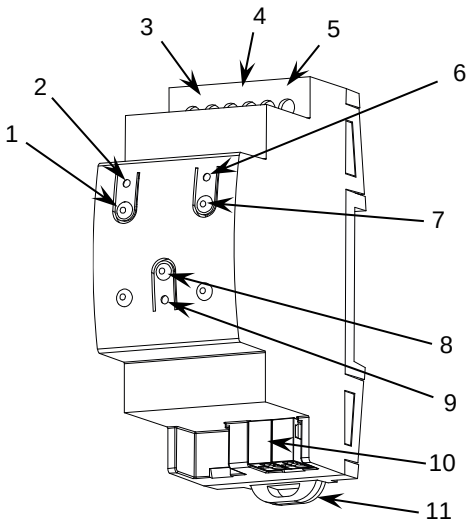


Figure 1: Securel v3

1. Pairing button	2. Pairing LED	3. Auxiliary power supply	4. Electric strike output	5. Encrypted communication	6. Output status LED
7. Output control button	8. Programming/Test button	9. Programming/Test LED	10. KNX connector	11. Fixing clamp	

PROGRAMMING/TEST 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. If this button is held for more than 3 seconds, the device enters the test mode. In order to perform a KNX Secure factory reset, while the device is in safe mode, press the button for 10 seconds until the programming LED changes its state.
PROGRAMMING/TEST LED: programming mode indicator (red). When the device enters the safe mode, it blinks (red) every half second. The manual mode is indicated by the green color. During the start-up (after reset or power failure) and if the device is not in safe mode, it emits a red flash.
PAIRING BUTTON: holding this button for more than three seconds will activate the pairing mode and delete the previous one in case the device was paired before.
PAIRING LED: the LED will flash in blue color while the device is unpaired. Once paired, the LED remains off.

GENERAL SPECIFICATIONS

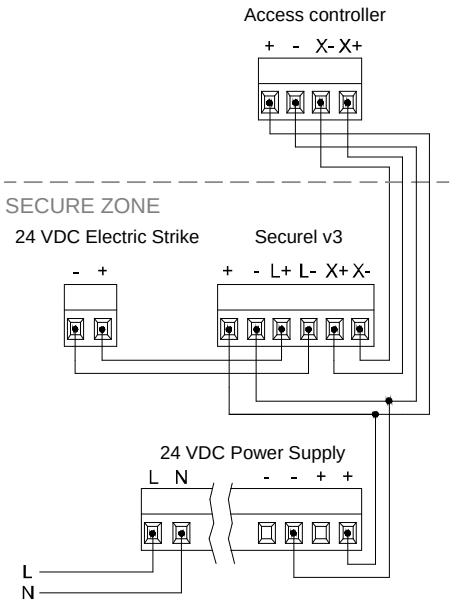
CONCEPT			DESCRIPTION	
Type of device			Electric operation control device	
KNX supply	Voltage (typical)		29 VDC SELV	
	Voltage range		21-31 VDC	
	Maximum consumption	Voltage	mA	mW
		29 VDC (typical)	2.8	81.2
		24 VDC[1]	10	240
	Connection type		Typical TP1 bus connector for 0.8 mm Ø rigid cable	
External power supply			24 VDC. Maximum consumption: 13 mA	
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			Independent device to be mounted inside electrical panels with DIN rail (IEC 60715)	
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 programming mode (red) and test mode (green). The output LED indicates its status (green). The pairing LED will flash in blue while the device is unpaired.	
Weight			79 g	
PCB CTI index			175 V	
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	24 VDC
Current	13 mA
Connection method	Screw terminal block (0.4 Nm max.)
Cable cross-section	0.5-2.5 mm² (IEC) / 26-12 AWG (UL)

OUTPUTS SPECIFICATIONS AND CONNECTIONS	
CONCEPT	**DESCRIPTION**
Number of outputs	1
Output type / Disconnection type	Potential-free output through monostable relay / Micro-disconnection
Maximum load per output	1 electric strike
Rated current per output	DC 1.5 A @ 24 VDC (36 W)
Short-circuit protection	NO
Overload protection	NO
Over-voltage protection	NO
Connection method	Screw terminal block (0.4 Nm max.)
Cable cross-section	0.5-2.5 mm² (IEC) / 26-12 AWG (UL)
Maximum response time	10 ms
Mechanical lifetime (min. cycles)	20000000
Electrical lifetime (min. cycles)	100000 @ 3 A / 50000 @ 5 A

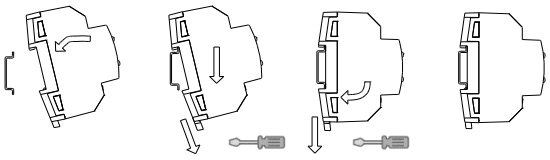
SYSTEM CONNECTION DIAGRAM (ACCESS CONTROLLER, SECUREL V3, POWER SUPPLY AND ELECTRIC STRIKE)



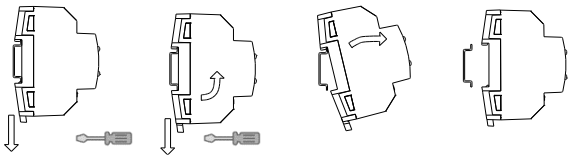
⚠ Important notes:

- To program this device through the KNX bus, the auxiliary power supply must remain connected (24 VDC).
- 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 24 VDC 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 v3 and the electric strike should be **30 meters** maximum.
- The cable length between the Securel v3 and the access controller (X+ | X-) should be **30 meters** maximum.

Attaching Securel v3 to DIN rail:



Removing Securel v3 from DIN rail:



⚠ 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.
- 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 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.