

FEATURES

- Area, Line and Segment coupler
- Maximal APDU length of 254 bytes
- Auxiliary power supply is not required
- Manual filtering control
- KNX Data Secure supported
- Security Proxy
- Integrated KNX BCU (TP1-256)
- Dimensions 67 x 90 x 17,5 mm (1 DIN unit)
- DIN rail mounting according to IEC 60715 TH35, with fixing clamp
- Conformity with the CE, RCM directives (marks on the side)

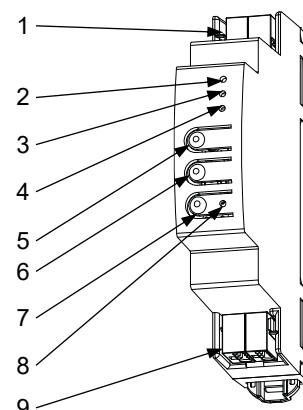


Figure 1: Linecoupler

1. KNX Sub connector	2. Sub LED indicator	3. Mode LED indicator	4. Main LED indicator	5. Pass IA button
6. Pass GA button	7. Programming button	8. Programming LED	9. KNX Main connector	

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. 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.

"Pass IA" button: short press to temporary route all frames with an Individual Address as destination.

"Pass GA" button: short press to temporary route all frames with a Group Address as destination.

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.

Main indicator LED: shows that the Main bus is powered (green color), with communication (green blink) or with a transmission error (red blink).

Sub indicator LED: shows that the Sub bus is powered (green color), with communication (green blink) or with a transmission error (red blink).

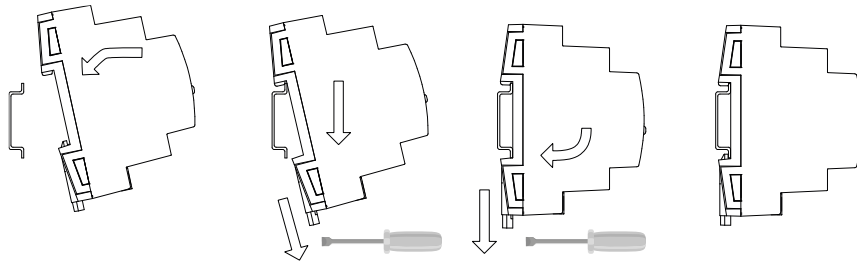
Mode indicator LED: shows the operation mode of the device as line or area coupler (LED off), segment coupler (green color), with "Pass GA" active (slow yellow blink), with "Pass IA" active (fast yellow blink) or with "Pass IA" and "Pass GA" active (yellow color).

GENERAL SPECIFICATIONS

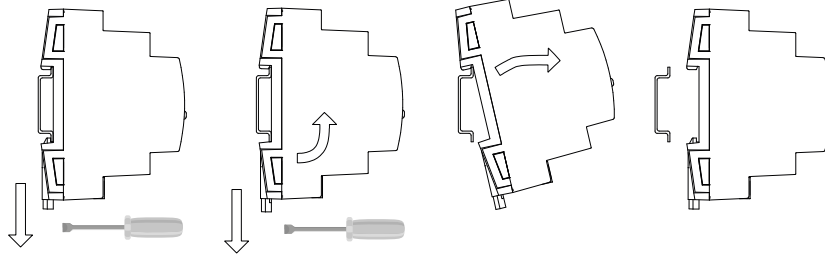
CONCEPT			DESCRIPTION	
Type of device			Electric operation control device	
KNX supply	Voltage (typical)		29 VDC SELV	
	Voltage range		21-31 VDC	
	Maximum consumption	Voltage	mA	mW
		29 VDC (typical)	3.9 (main) / 2.6 (sub)	113 (main) / 75 (sub)
		24 VDC ¹	10 (main) / 10 (sub)	240 (main) / 240 (sub)
Connection 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			Independent device to be mounted inside electrical panels with DIN rail (IEC 60715)	
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). The Main/Sub LED indicates the status of the Main/Sub bus. The Mode LED indicates the operation mode of the device.	
Weight			48 g	
Housing material			PC+ABS FR V0 halogen free	

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

Attaching Linecoupler to DIN rail:



Removing Linecoupler 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>.