Zennio®

Secure KNX-IP Interface

ZSYKIPISC

FEATURES

- KNXnet/IP tunnelling protocol (up to 5 connections)

- Maximal APDU length of 254 bytes

- Ethernet 10/100 BaseT IP with RJ45 socket

- Auxiliary power supply is not required

- Supports KNX Data Security

- Integrated KNX BCU (TP1-256)

- Dimensions 67 x 90 x 36 mm (2 DIN units)

- DIN rail mounting according to IEC 60715 TH35, with fixing clamp

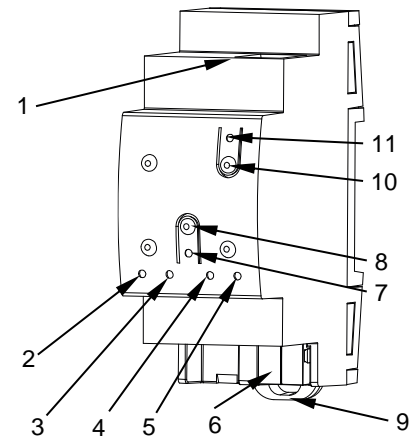- Conformity with the CE, UKCA, RCM directives (marks on the side)

Figure 1: KIPI SC

1. Ethernet connection with LED indicator	2. KNX LED indicator	3. Ethernet LED indicator	4. Not used	5. Not used	6. KNX connector
7. Programming LED	8. Programming button	9. Fit clamp	9. IP Factory Reset button	10. IP Factory Reset LED indicator

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 programing LED changes its state.
IP Factory Reset button: long press to perform a IP Factory Reset (associated LED lights red while button is pressed).

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.
KNX indicator LED: shows that the device is powered through the KNX bus (green color).
Ethernet indicator LED: shows that the device is connected to Ethernet and has an IP address assigned (green color).
IP Factory Reset indicator LED: shows that the device has just executed a IP Factory Reset (red color).
Ethernet connector LED: shows that the Ethernet is linked (green color) or data is being transfered (green blinking)

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)	16		464
		24 VDC[1]	20		480
	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		
Response on KNX bus restart			Data recovery		
Operation indicator			The programming LED indicates programming mode (red). The KNX LED indicates the bus connection (green). The Ethernet LED indicates the Ethernet connection with an IP assigned (green). The Factory Reset LED indicates the execution of a factory reset (red).		
Weight			74 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).

Attaching KIPI SC to DIN rail:
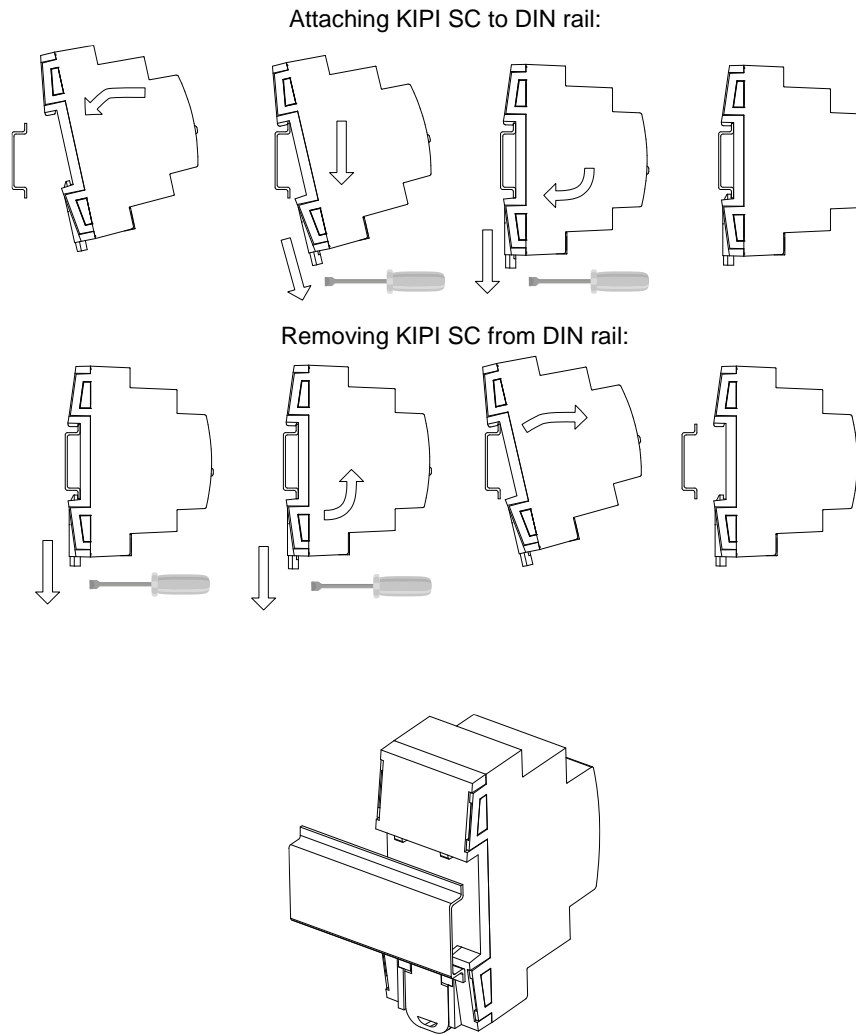

Removing KIPI SC from DIN rail:

Figure 2: Mounting KIPI SC on 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 http://zennio.com/licenses.