

FEATURES

- KNXnet/IP tunneling protocol (up to 5 connections).
- Maximal APDU length of 254bytes.
- Ethernet 10/100 BaseT IP with RJ45 socket.
- Auxiliary power supply is not required.
- Integrated KNX BCU.
- Dimensions 90 x 68 x 36mm (2 DIN units).
- DIN rail unit assembly (EN 50022), with snap fit clamp.
- Conformity with the CE directives (CE-mark on the side).

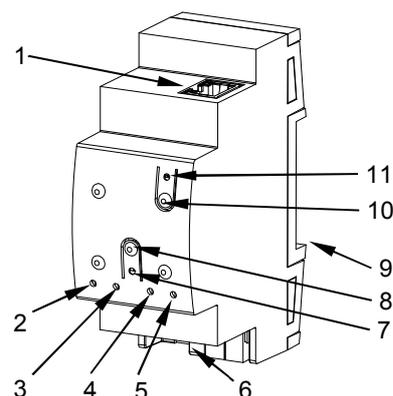


Figure 1: KIPI

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	10. Factory reset button	11. 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.
 Factory reset button: long press to perform a factory reset (Factory reset LED lights red for one second).

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).

Factory reset indicator LED: shows that the device has just executed a factory reset (red color).

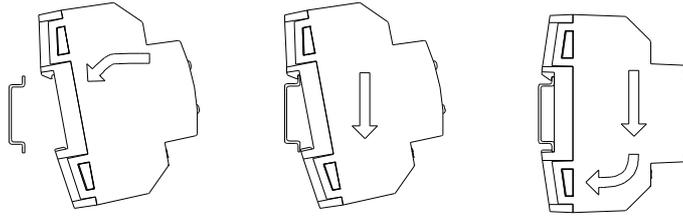
Ethernet connector LED: shows that the Ethernet is linked (green color) or data is being transferred (green blinking)

GENERAL SPECIFICATIONS

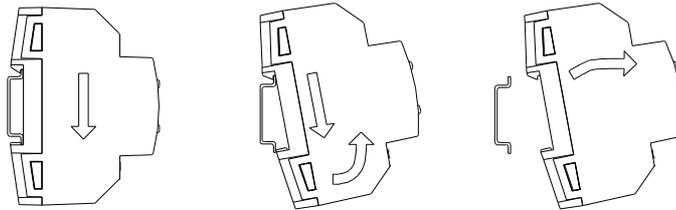
CONCEPT		DESCRIPTION		
Type of device		Electric operation control device		
KNX supply	Voltage (typical)	29VDC SELV		
	Voltage range	21..31VDC		
	Maximum consumption	Voltage	mA	mW
		29VDC (typical)	16	464
24VDC ¹	20	480		
Connection type		Typical TP1 bus connector for 0.80mm Ø rigid cable		
External power supply		Not required		
Operation temperature		0°C .. +55°C		
Storage temperature		-20°C .. +55°C		
Operation humidity		5 .. 95% (No condens.)		
Storage humidity		5 .. 95% (No condens.)		
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 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		74g		
PCB CTI index		175V		
Housing material		PC FR V0 halogen free		

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

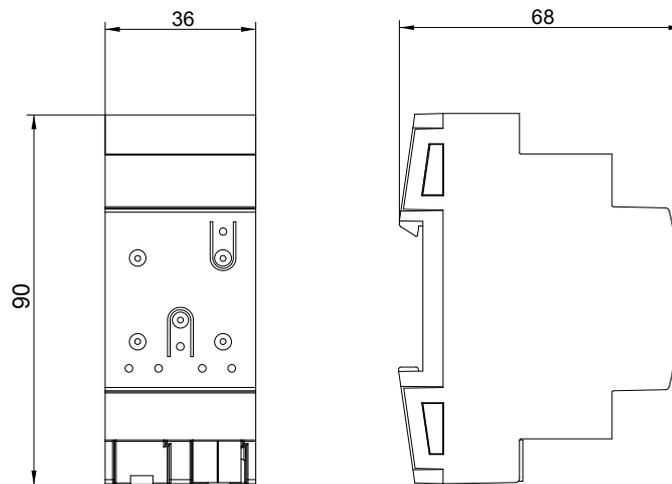
Attaching KIPI to DIN rail:



Removing KIPI from DIN rail:



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.
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- 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>.