FEATURES

- Duplex communication with air conditioners.
- Dimensions 90 x 60 x 35mm (2 DIN units).
- It can be placed in DIN rail units inside electrical panels or distribution boxes.
- Integrated KNX BCU.
- Conformity with the CE directives.

Programming button: short button press to set programming mode. If this button is held while plugging the device into the KNX bus, it enters in safe mode.

Programming LED: programming mode indicator (red). When the device enters in safe mode, it blinks (red) every half second. Moreover, it indicates KNX-AC unit communication (blinking green/blue) or 2-wire communication terminal error (continuous green).

Communication cable: 2-wire cable, direct to P1/P2 connectors that can be found at the PCB of the internal unit or in the wired remote control.
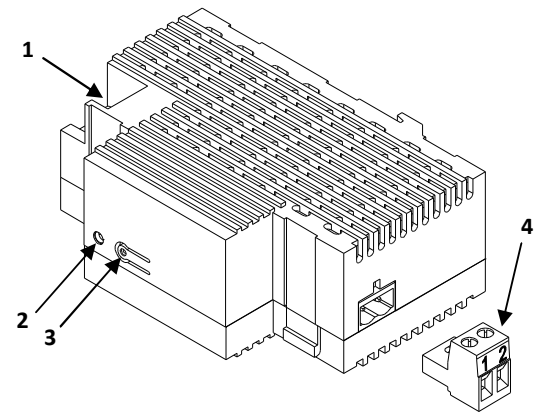

Figure 1. KLIC-DI

1. KNX Connector	**2**. Programming LED	**3**. Programming button	**4**. 2-wire communication terminal

GENERAL SPECIFICATIONS

CONCEPT			DESCRIPTION		
Device type			Electric operation control device		
KNX supply	Voltage (typical)		29VDC SELV		
	Voltage range		21…31VDC		
	Maximum consumption	Voltage	mA	mW	
		29VDC (typ.)	8.3	240	
		24VDC	10	240	
	Connection type		Typical bus connector TP1, 0.80 mm² section		
External power supply			Not required		
Operation temperature			0ºC to +55ºC		
Storage temperature			-20ºC to +70ºC		
Operation humidity (relative)			3 to 95% RH (no condensation)		
Storage humidity (relative)			3 to 95% RH (no condensation)		
Complementary characteristics			Class B		
Protection class			III		
Operation type			Continuous operation		
Device action type			Type 1		
Degree of protection			IP20, clean environment		
Installation			Independent device to be mounted inside distribution boxes or electrical panels. Interface should be installed outside the air conditioning indoor unit		
Connection KLIC-DI with A/C unit			No-polarity 2-wire cable, max. length equal to 500m (not provided)		
Minimum clearances			Not required		
Response on KNX bus failure			Complete data saving		
Response on KNX bus recovery			Data recovery and commands sending as programmed		
Operation indicator			Programming LED indicates programming mode (red), safe mode (blinking red) or duplex communication with the air conditioning unit (blinking green/blue). If there is an error in the communication terminal, it lights in continuous green.		
Weight			103g		
PCB CTI index			175V		
Housing material			PC FR V0 halogen free		

CONNECTIONS TO P1/P2 CONNECTOR DIAGRAM(*)
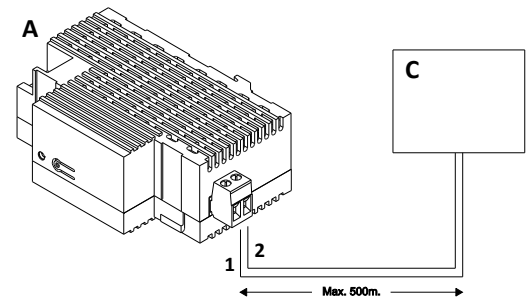
Option 1: KLIC-DI (master) without wired remote control
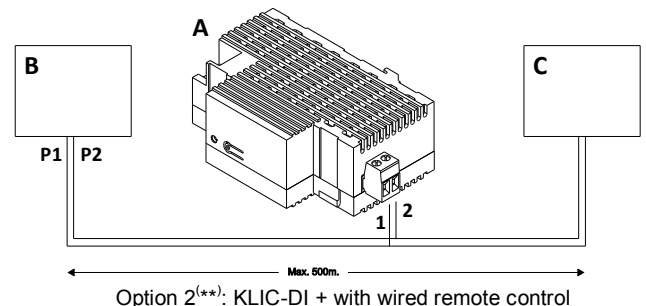
Option 2(**): KLIC-DI + with wired remote control

A	KLIC-DI
B	Wired remote control
C	A/C unit
P1/P2	A/C unit connection bus
1 - 2	Zennio connection terminal

(*) Only one indoor unit per KLIC-DI
(**) The wired remote control must be in slave mode when the KLIC-DI is in master mode, and vice versa.

⚠ 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.