

MAIN CHARACTERISTICS

- Reduced size: 90 x 60 x 35 mm (2 DIN units).
- It does not require external power supply apart from BUS.
- It can be placed in DIN rail units inside electrical cabinets, or deep flush-mounting box
- KLIC-DI allows duplex communication with air conditioners.
- KNX Bus coupling unit integrated.
- CE compliant.

DIMENSIONES AND DESCRIPTION

- **Prog:** to set programming mode. If this button is held while plugging the device into the KNX bus, it goes into secure mode.
- **LED:** it indicates whether the device is in programming mode (red) or the KNX - AC unit communication (green/blue). Red led blinking every 0,5s, indicates that the device is in "secure mode".
- **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.

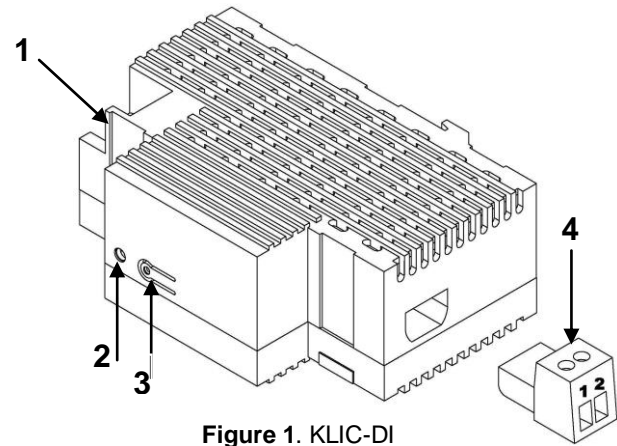


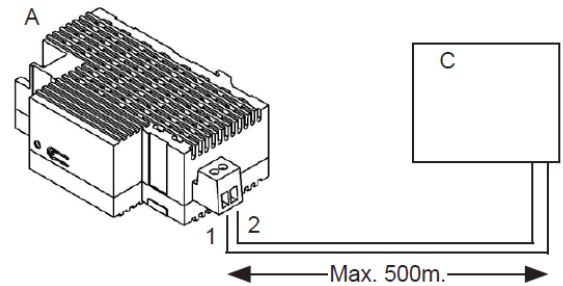
Figure 1. KLIC-DI

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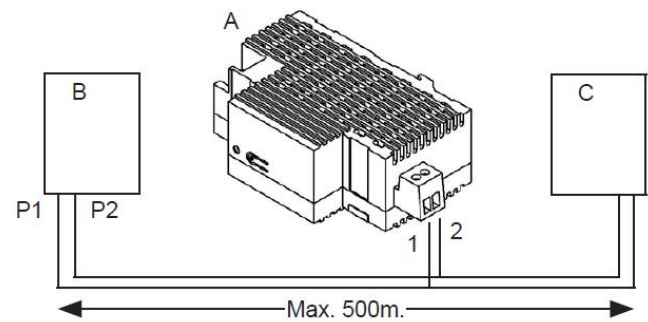
GENERAL SPECIFICATIONS

Concept		Description
Device Type		Electric Operation Control Device
KNX Supply	Voltage	29V DC SELV
	Voltage Range	21...31V DC
	Consumption	10mA
	Connection Type	Typical BUS connector TP1, 0,50 mm ² section
External Supply		Not required
Operation Temperature		0°C to +55°C
Storage Temperature		-20°C to +70°C
Ambient humidity (relative)		30 to 85% RH (no condensation)
Storage humidity (relative)		30 to 85% RH (no condensation)
Complementary characteristics		Class B
Safety Class		II
Operation type		Continuous operation
Device Action Type		Type 1
Type of protection		IP20, clean environment
Assembly		Independent control assembly 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 to BUS voltage failure		Complete data saving
Response to BUS failure recovery		Data recovery and commands sending as programmed
Operation indicator		LED On when pushing programming button or duplex communication with the air conditioning unit (three colours)
PCB CTI index		175 V
Enclosure		PC+ABS FR V0 halogen free
Weight		Aprox. 106gr.

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



- Do not connect the Mains Voltage (230 V) or any other external voltages to any point of the KNX bus. Connecting an external voltage might put the entire KNX system at risk.
- Make sure during the installation that there is always sufficient insulation between the mains voltage 230V and the bus or the extension inputs.