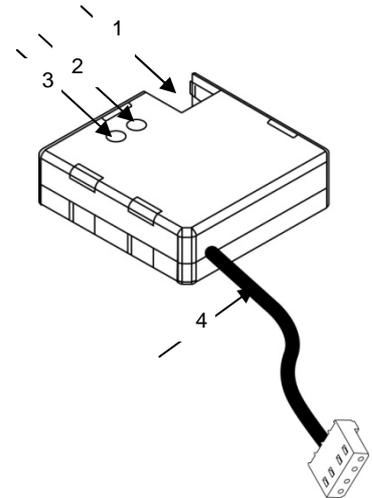


**MAIN CHARACTERISTICS**

- Reduced size: 45 x 45 x 14 mm.
- It can be placed into deep flush-mounting box (60 mm x 60 mm) or electrical cabinets
- KLIC-DD allows duplex communication with air conditioners.
- KNX Bus coupling unit integrated.
- Complete data saving in case of Bus Power Failure.
- CE Compliant.

**DIMENSIONS 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 KNX/ air conditioning unit communication (green/blue). Red led blinking every 0,5s indicates that the device is in "secure mode".
- **Communication Cable:** 5-wire cable, direct to the air conditioner PCB (S21). Length 800 mm.



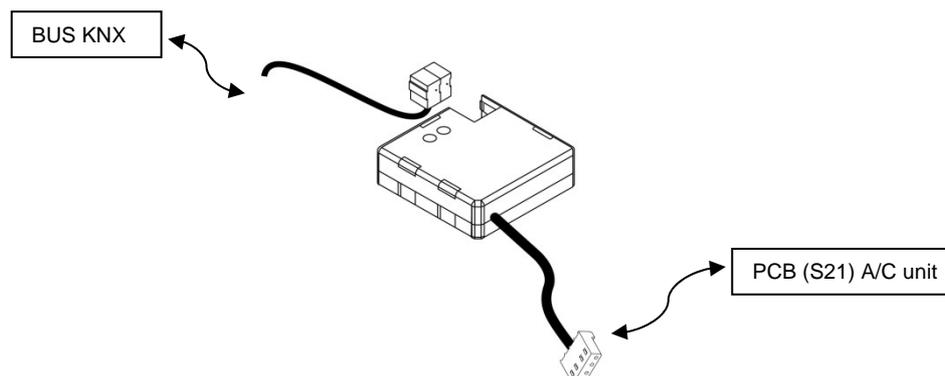
GENERAL SPECIFICATIONS		Description
<b>Concept</b>		<b>Description</b>
Control device for		Home & Building Automation
KNX Supply	Voltage	29V DC
	Voltage margin	20...31V DC SELV
	Max Power Consumption	116mW
	Max Current	4mA
	Connection type	Typical BUS connector TP1, 0,50 mm <sup>2</sup> section
External Supply		Not needed
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		Class II
Operation type		Continuous operation
Type of protection		IP20, clean environment
Assembly		Recommended inside electrical cabinet. Interface should be installed outside the air conditioning indoor unit
Min clearances		Not needed
Isolation method		Optical coupler (3.750 Vrms)
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)
Accessories		Special connection cable with connector (ready to plug). 800 mm. length.
PCB CTi index		175 V
Enclosure		PC-ABS, flammability category class D
Weight		Aprox. 60 gr.

N	Description and connection diagram
1	KNX connector
2	LED
3	Programming button
4	Special communication cable
5	PCB (S21) A/C unit

**SAFETY INSTRUCTIONS**


Do not connect the Main Voltage (230 V) or any other external voltages to any point of the BUS. Connecting an external voltage might put all the KNX system into risk.

Ensure there is enough insulation between the AC Voltage cables and the BUS ones. A minimum clearance of 4 mm must be ensured.

**CONNECTION DIAGRAM**

**\*FURTHER INFORMATION IN PRODUCT DOCUMENTATION**