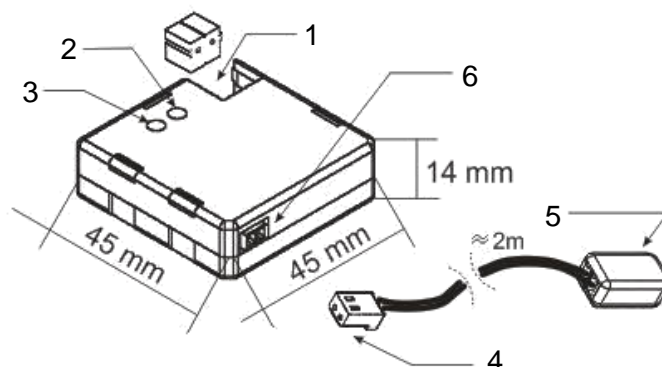


## CHARACTERISTICS

- Reduced size: 45 x 45 x 14 mm.
- Suitable to be placed into deep flush-mounting box.
- Device management through IR codes:
  - Split units (**IRSC Plus** application program)
  - A/V devices (**IRSC Open** application program)
  - Zoning control (**IRSC Zone** application program)
- KNX BCU integrated.
- Total data saving on power failure.
- CE directives compliant.



### SOFTWARE FOR ZN1CL-IRSC

- **IRSC Plus:** allows controlling Split A/C units. See "correspondence table" in [www.zennio.com](http://www.zennio.com).
- **IRSC Open:** allows recording IR codes to later reproduce them. A/V devices.
- **IRSC Zone:** allows controlling ducted cooling/heating machines, with several climate zones. See "correspondence table" in [www.zennio.com](http://www.zennio.com).

**Programming button:** a push button to set the programming mode. If this button is held while plugging the device into the KNX bus, it goes into secure mode.

**LED:** programming mode indicator. When the device goes into secure mode, it blinks every half second.

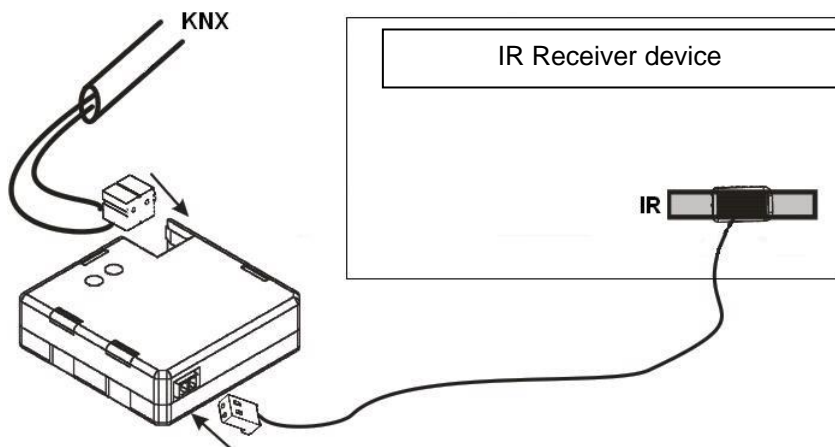
**IR emitter:** Infrared flasher diode to send commands to the split.

## GENERAL SPECIFICATIONS

Concept		Description
Type of device		Electric operation control device
KNX Bus supply	Operation Voltage	29V DC
	Voltage margin	21 to 31VDC
	Consumption	10mA
	Connection type	Typical TP1 (red-grey) KNX bus connector
Mains supply		No
Ambient temperature		0°C to +55°C
Storage / transport 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
Electrical solicitations period		Long
Protection class		IP20, clean environment
Assembly		Recommended in deep flush-mounted box
Minimum clearances		---
Response to bus voltage failure		Data saving
Response in case of bus voltage recovery		Data recovery and IR commands sending as programmed
Operation indication		LED ON when programming button is pressed
Accessories		IR wired flasher diode with protective capsule
Weight		Aprox. 60 gr.
PCB CTI index		175 V
Enclosure		PC+ABS FR V0 halogen free

## CONNECTION DIAGRAM

Connection diagram example: Consumer electronic device with IR receiver (*IRSC Open Application Program*)

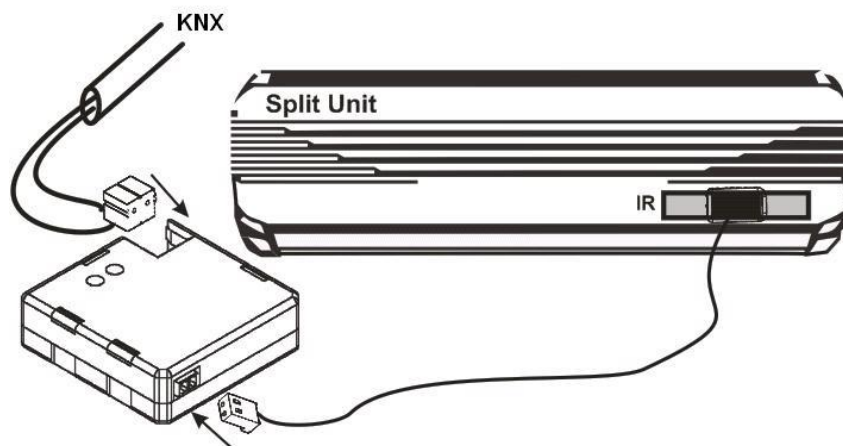


### IRSC Open

IR commands must be loaded into the device. A specific tool “IRSC Open Capture” downloadable in a Z38i (ZN1VI-Z38i) is available for this purpose.

For further info, please read the IRSC Open user manual ([www.zennio.com](http://www.zennio.com)).

Connection diagram example: A/C Split (*IRSC Plus Application Program*)




### IRSC Plus

IR commands are already preloaded into the device. It will only be necessary to identify the IR remote controller in the “Correspondence Table” provided by Zennio to later set the correct identifier in the ETS parameterization environment.

For further info, please read the IRSC Plus user manual ([www.zennio.com](http://www.zennio.com)).

IR EMITTER SPECIFICATIONS	
Connection method	Aerial connector
Installation	Stick the IR emitter onto the unit IR receiver
Cable section	0,15 mm <sup>2</sup>
Cable length	2,15 m
Peak wave length (λp)	940 nm
Radiated emission power (Φe)	2,4 mW
Radiated intensity	2,4 mW/sr
Emission response time	Parameter option. Min recommended 2 seconds

## 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.
- The IR emitter must be stuck onto the air conditioning receiver.
- The protective capsule must not be removed.