Gateway Daikin-KNX
GW630200 v1.0

General description

Gateway for the integration of Daikin domestic air conditioning systems with the KNX system. Direct connection to terminal CN-S21 of Daikin indoor unit. Each Gateway allows to control one indoor unit: set point temperature, the operation mode of the units (cooling, heating, drying, fan and automatic), the ventilation speed (low, medium, high)
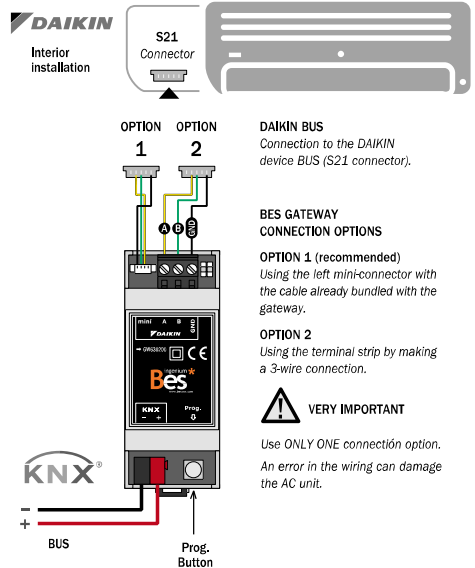
Characteristics

- It allows to control one Daikin indoor unit
- It supports 5 operating modes and 3 speeds
- 2 possible connections to Daikin unit: one through a mini-connector built-in with the gateway (option 1) and other though the screw terminal with 3 wires (option2)*

Technical information

Supply	29 Vdc from KNX BUS
Current consumption	20 mA from KNX BUS
Mounting	DIN rail (2 modules)
Connections	KNX connecting terminal bus
	Micro connector for CN-S21connection (option 1)
	Screw terminal block for Daikin unit connection (option 2)
	Maximum cable distance to Daikin machine: 1 m.
Environment temperature range	Operation: from -10ºC to 55ºC / Storage: from -30ºC to 60ºC / Transportation: from -30ºC to 60ºC
Regulation	According to the directives of electromagnetic compatibility and low voltage. EN 50090-2-2 / UNE-EN 61000-6-3:2007 / UNE-EN 61000-6-1:2007 / UNE-EN 61010-1

*Ingenium is not responsible for the damage a bad connection on the screw terminal may cause on the unit, in case of not using the micro connector bundled with the gateway

Installation

DAIKIN BUS
Connection to the DAIKIN device BUS (S21 connector).

BES GATEWAY CONNECTION OPTIONS

OPTION 1 (recommended)
Using the left mini-connector with the cable already bundled with the gateway.

OPTION 2
Using the terminal strip by making a 3-wire connection.

⚠ **VERY IMPORTANT**

Use ONLY ONE connection option.
An error in the wiring can damage the AC unit.

Remarks

Feed low voltage lines (KNX bus and inputs) in separate ducting to that of power (230V) and outputs to ensure there is enough insulation and avoid interferences.

Do not connect the main voltages (230V) or any other external voltages to any point of the KNX bus or inputs.

QR Code