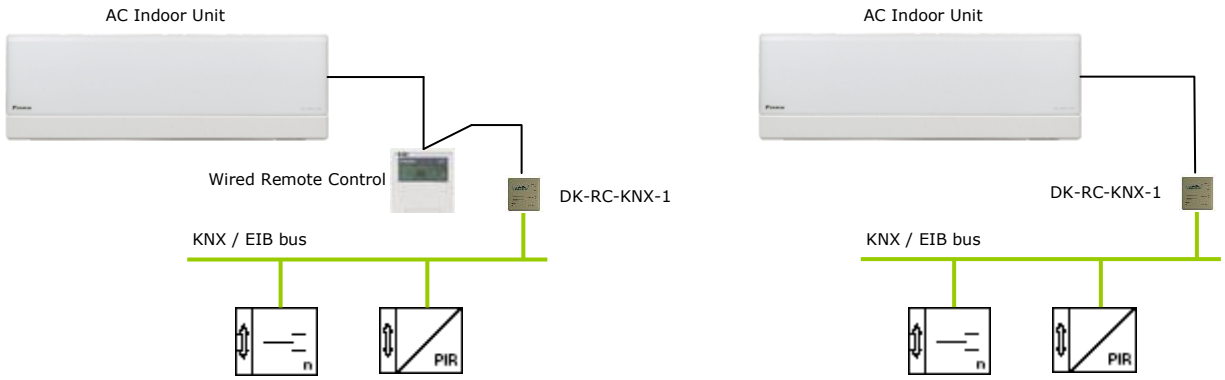
IntesisBox®
DK-RC-KNX-1

Interface KNX for DAIKIN Air Conditioners
(SKY & VRV)



IntesisBox® DK-RC-KNX-1 allows monitoring and control, fully bi-directionally, all the functioning parameters of DAIKIN Air Conditioners from KNX installations. Compatible with all SKY Air and VRV models commercialised by DAIKIN (see link to compatible models at the end of this document).

Small dimensions and easy installation. It can be connected with or without the wired Remote Controller of the AC indoor unit in one side, which can be hidden into an electrical installation cabinet, and in the other side it connects directly to the KNX TP-1 (EIB) bus. The maximum bus distance between the AC Indoor Unit, the Remote Controller and the Interface is 500 meters (see *Connections* section).

Great flexibility of integration into your KNX projects. Configuration is made directly from ETS, the database of the device comes with a complete set of communication objects allowing, from a simple and quick integration using the basic objects, to the most advanced integration with monitoring and control all the AC unit's parameters. Also available specific device's communication objects, as for example save and execute scenes.

Allows single or dual Temperature Setpoint (different for Cool Mode and for Heat Mode) from KNX (configurable by parameters), and also allows the use of a KNX temperature sensor for the air conditioning control.

IntesisBox® DK-RC-KNX-1 will allow you offering a full integration of the air conditioning in your KNX projects at a very affordable cost.

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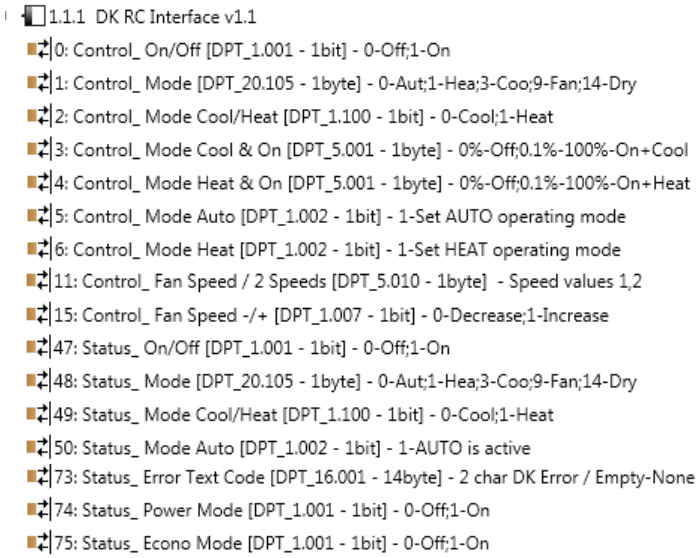
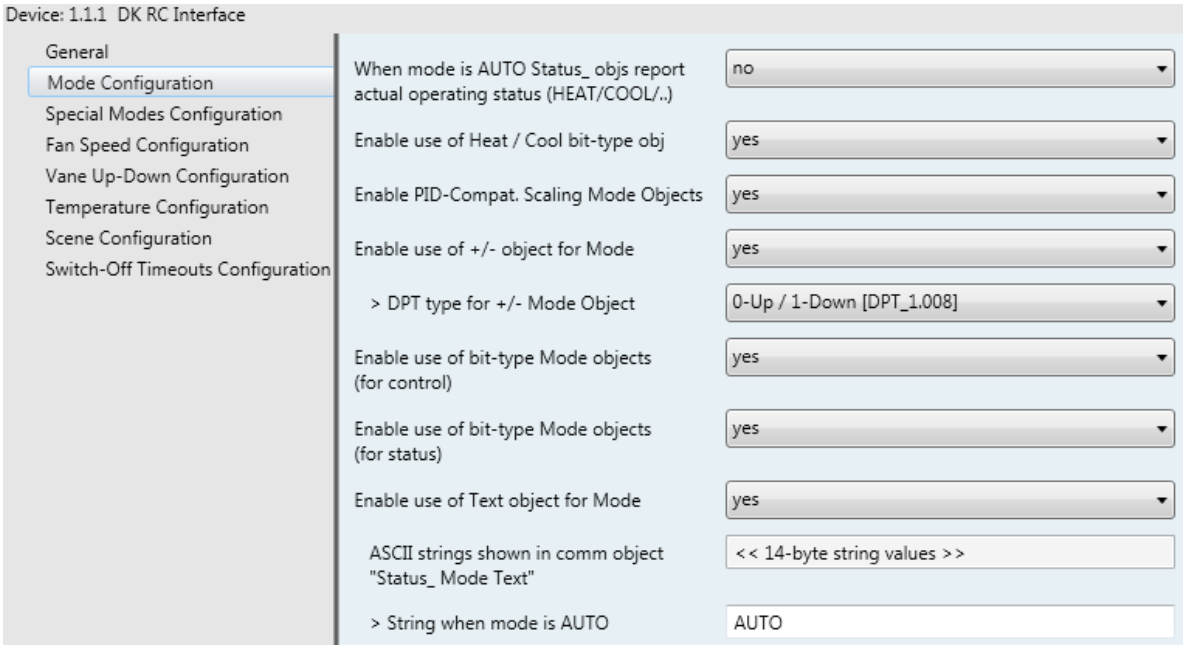
1. Communication objects

The ETS database of the device comes with multiple communication objects allowing great flexibility of integration.



2. Parameters

Multiple parameters can be configured to ensure the maximum flexibility for the integration, not only in functionality of the device but in visibility of objects in ETS for a more comfortable integrator's work.



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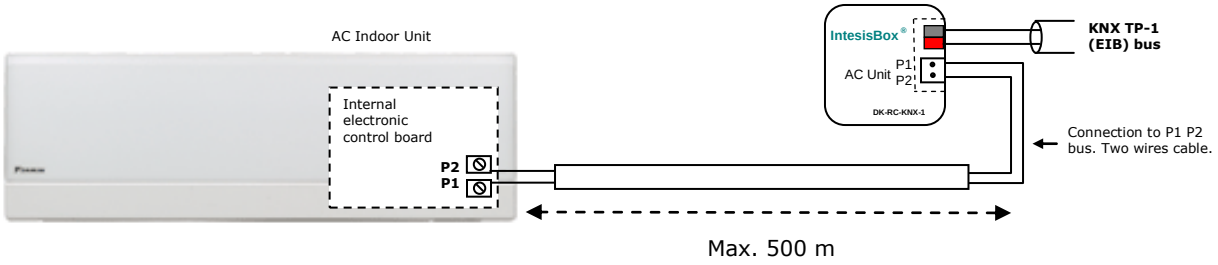
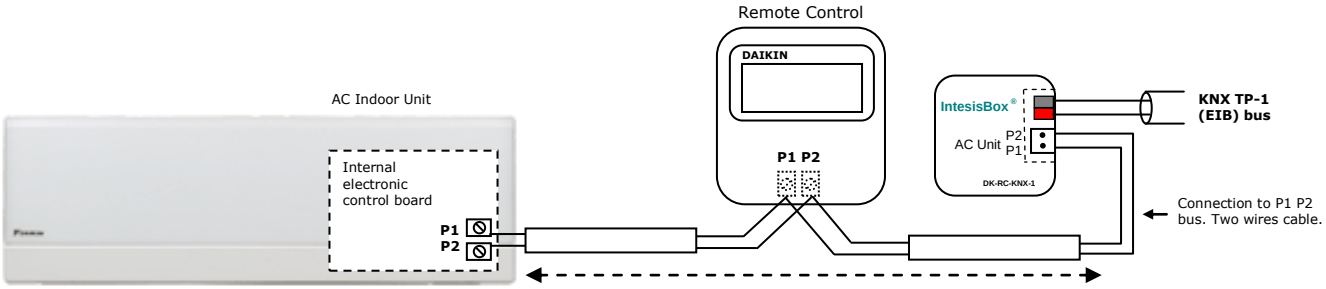
3. Connections

DK-RC-KNX-1 can be used with Daikin Remote Controllers or without them.

- DK-RC-KNX-1 without DAIKIN Remote Controller



- DK-RC-KNX-1 with DAIKIN Remote Controller



4. List of compatible Daikin AC indoor units.

A list of Daikin indoor unit model references compatible with DK-RC-KNX-1 and their available features can be found at:

http://www.intesis.com/pdf/IntesisBox_DK-RC-xxx-1_AC_Compatibility.pdf

5. Technical Specifications

Dimensions:	70 X 70 X 28 mm
Weight:	70 g
KNX current consumption:	5 mA
P1-P2 Bus current consumption:	45 mA
Operating Temperature:	-25 . . . 85ºC
Stock Temperature:	-40 . . . 85ºC
Isolation voltage:	2500 V

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