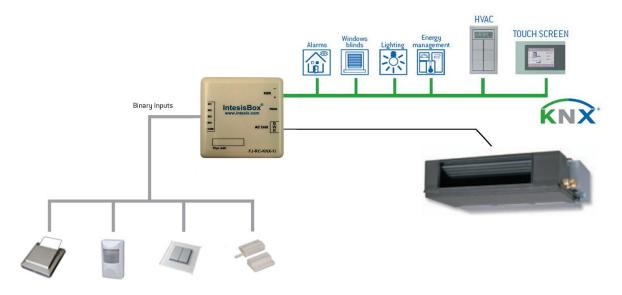


KNX interface for GENERAL air conditioners



FJ-RC-KNX-1i allows a complete and natural integration of GENERAL air conditioners with KNX control systems.

Simple installation. Can be installed inside the own AC indoor unit, connecting one side directly to the BWR bus, and the other side directly to the KNX TP-1 (EIB) bus.

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 save and execute scenes.

Four binary inputs for potential-free contacts provide the possibility to integrate many types of external devices. Also configurable from ETS, they can be used for switching, dimming, shutter/blind control, and more.

Allows the use of a KNX temperature sensor for the air conditioning control.

IntesisBox® FJ-RC-KNX-1i will offer you a full integration of the air conditioning in your KNX projects at a very affordable price.

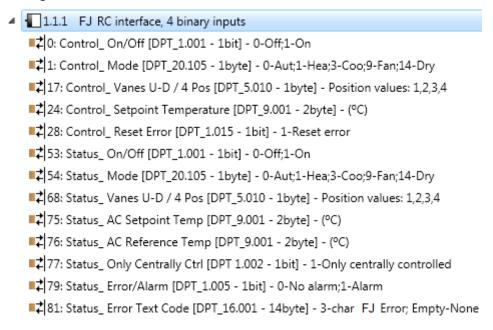




1. KNX Interface

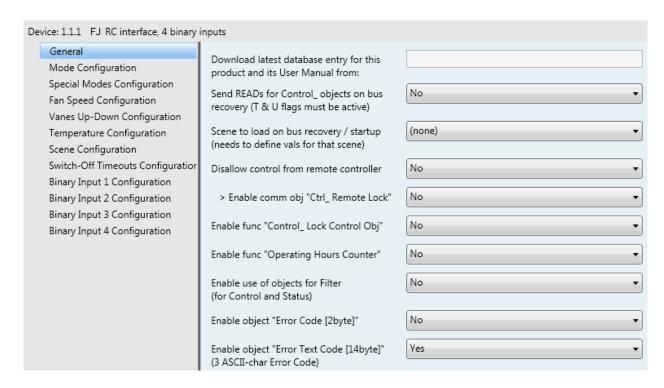
Communication Objects

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



1.2 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.



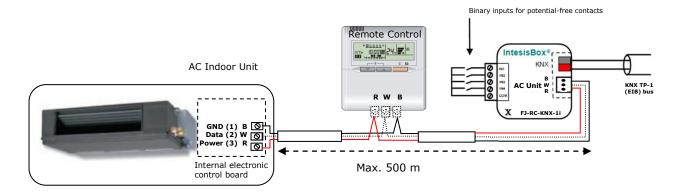




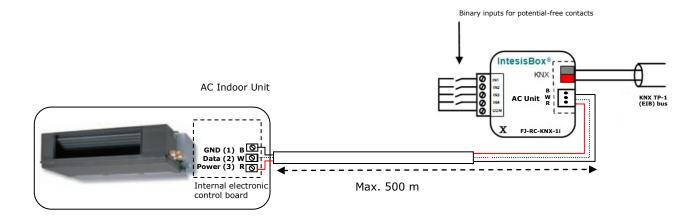
2. Connection

The FJ-RC-KNX-1i can be used with a GENERAL Remote Controllers or without them. Use the KNX connector in the FJ-RC-KNX-1i to connect to the KNX TP-1 (EIB) network.

FJ-RC-KNX-1i with GENERAL wired Remote Controller



FJ-RC-KNX-1i without GENERAL wired Remote Controller



3. List of compatible GENERAL AC indoor units

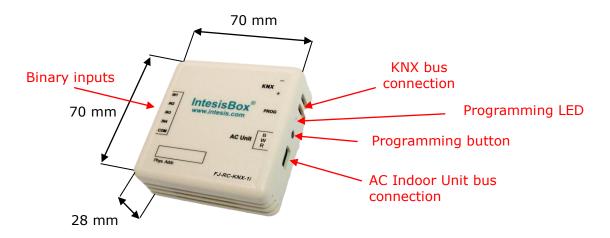
A list of GENERAL indoor unit model references compatible with FJ-RC-KNX-1i and their available features can be found in:

http://www.arktika.ru/instrpdf/IntesisBox_GE-RC-xxx-1_AC_Compatibility1.pdf





4. Technical Specifications



| Envelope | ABS (UL 94 HB). 2,5 mm thickness |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions | 70 X 70 X 28 mm |
| Weight | 70g |
| Colour | Ivory white |
| Power supply | 29V DC, 7mA |
| | Supplied through KNX bus. |
| AC Indoor Unit Bus | Voltage: 13-18V |
| | Current: 80mA |
| LED indicators | 1 x KNX programming. |
| Push buttons | 1 x KNX programming. |
| Binary inputs | 4 x Potential-free binary inputs. |
| | Signal cable length: 5m unshielded, may be extended up to 20m with twisted. |
| | Compliant with the following standards: |
| | IEC61000-4-2 : level 4 - 15kV (air discharge) - 8kV (contact discharge) |
| | MIL STD 883E-Method 3015-7 : class3B |
| Configuration | Configuration with ETS. |
| Operating Temperature | From 0°C to 40°C |
| Storage Temperature | From 40°C to 45°C |
| Isolation Voltage | 2500V |
| RoHS conformity | Compliant with RoHS directive (2002/95/CE). |
| Certifications | CE conformity to EMC directive (2004/108/EC) and Low-voltage directive (2006/95/EC) • EN 61000-6-2 • EN 61000-6-3 • EN 60950-1 • EN 50491-3 • EN 50090-2-2 • EN 50428 • EN 60669-1 • EN 60669-2-1 |

