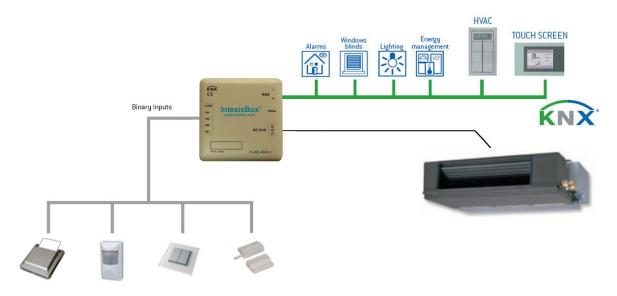


IntesisBox® FJ-RC-KNX-1i

KNX interface for Fujitsu General Limited air conditioners



FJ-RC-KNX-1i allows a complete and natural integration of Fujitsu 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.

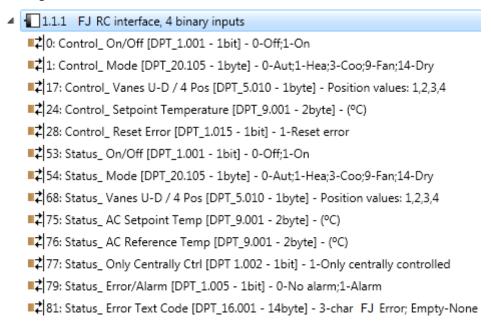
Allows the use of a KNX temperature sensor for the air conditioning control.

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

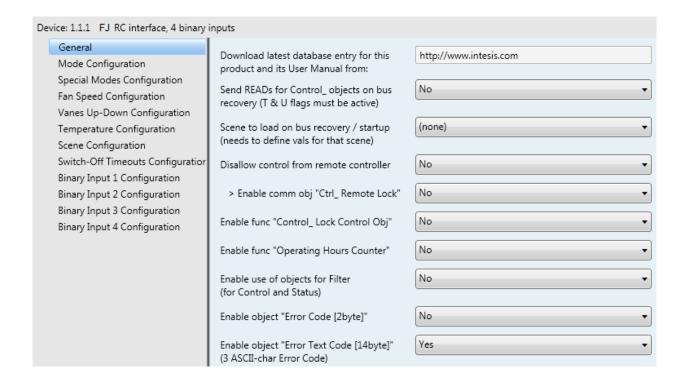
Communication Objects

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



1.2 Parameters

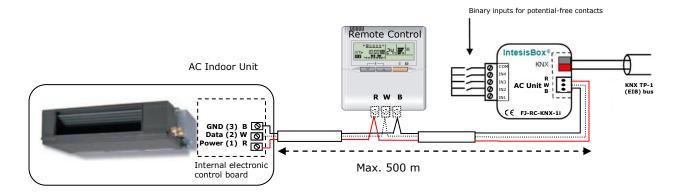
Multiple parameters can be configured to ensure the maximum flexibility for the integration, not only in functionality of the device but in visibility of objects in ETS for a more comfortable integrator's work.



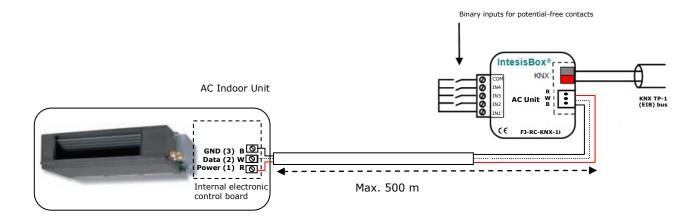
2. Connection

The FJ-RC-KNX-1i can be used with a **FUJITSU** 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 FUJITSU wired Remote Controller



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



3. List of compatible Fujitsu General Limited AC indoor units

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

Fuiitsu:

http://www.intesis.com/pdf/IntesisBox FJ-RC-xxx-1 AC Compatibility.pdf

General:

http://www.intesis.com/pdf/IntesisBox GE-RC-xxx-1 AC Compatibility.pdf

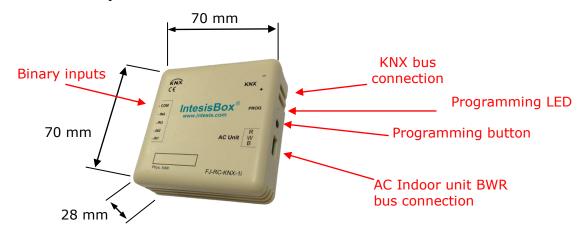
Fuji Electric:

http://www.intesis.com/pdf/IntesisBox FE-RC-xxx-1 AC Compatibility.pdf

Hıyasu:

http://www.intesis.com/pdf/IntesisBox HY-RC-xxx-1 AC Compatibility.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)
Configuration	MIL STD 883E-Method 3015-7 : class3B Configuration with ETS.
Operating	Configuration with E13.
Temperature	From -25°C to 85°C
Storage Temperature	From - 40°C to 45°C
Isolation Voltage	2500V
RoHS conformity	Compliant with RoHS directive (2002/95/CE).
	CE conformity to EMC directive (2004/108/EC) and Low-voltage directive (2006/95/EC)
Certifications	 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