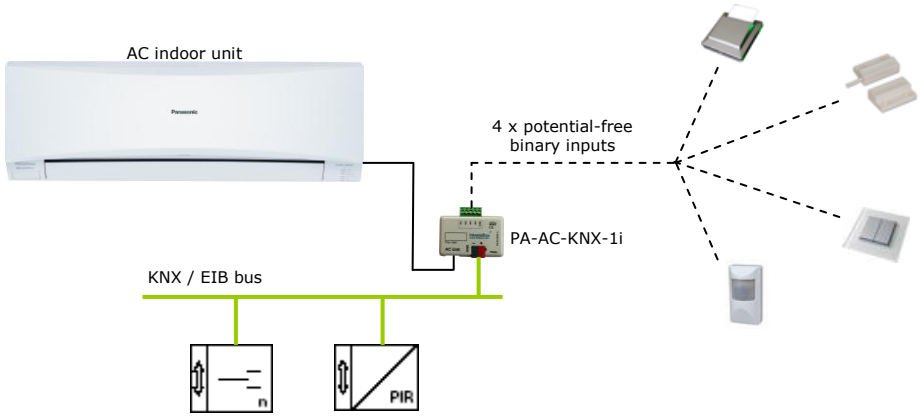
IntesisBox®
PA-AC-KNX-1i

Interface KNX for PANASONIC Air Conditioners
(Etherea Line)



IntesisBox® PA-AC-KNX-1i allows monitoring and control, fully bi-directionally, all the functioning parameters of PANASONIC Air Conditioners from KNX installations. Compatible with all the models of the Etherea MKE line commercialised by PANASONIC.

Simple installation. Can be install inside the own AC indoor unit, it connects one side directly to the electronic circuit of the AC indoor unit (cable supplied), and in 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 for example save and execute scenes.

Four potential-free binary inputs 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® PA-AC-KNX-1i will allow you offering a full integration of the air conditioning in your KNX projects at a very affordable cost.

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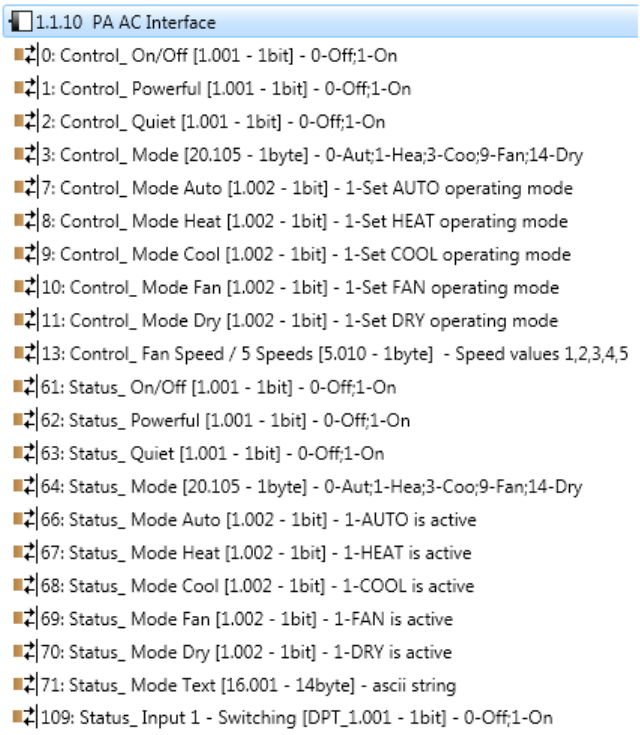
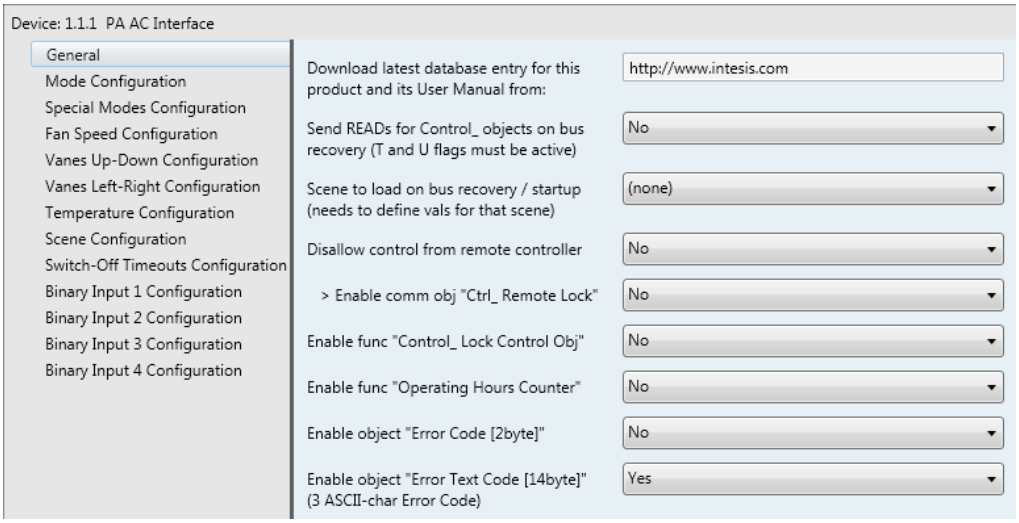
1. Communication objects

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.

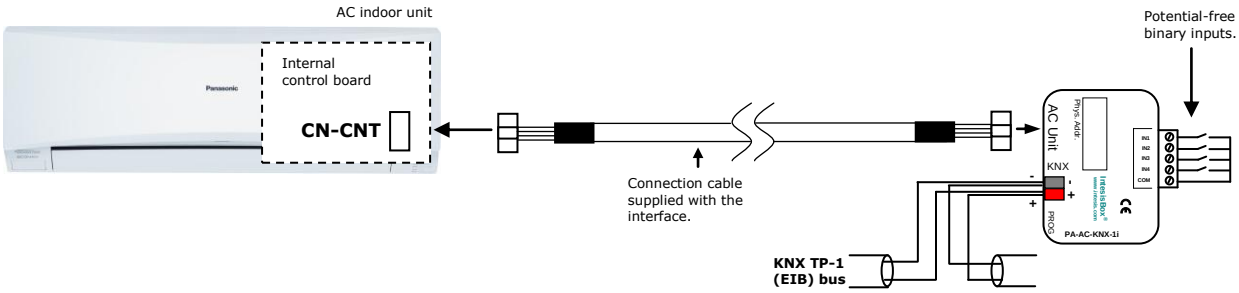


3. Connections

Connection of the interface to the AC indoor unit is by means of the cable supplied with the interface which must be connected to the interface in one side (connector AC unit), and to the internal electronic board of the Air Conditioner in the other side (connector **CN-CNT** in Etherea line units).

Connection of the interface to the KNX bus is by means of the standard KNX bus connector also supplied with the interface.

Connections diagram:



4. AC Unit Types compatibility.

A list of Panasonic indoor unit model references compatible with PA-AC-KNX-1i and their available features can be found in:

http://www.intesis.com/pdf/IntesisBox_PA-AC-xxx-1_AC_Compatibility.pdf

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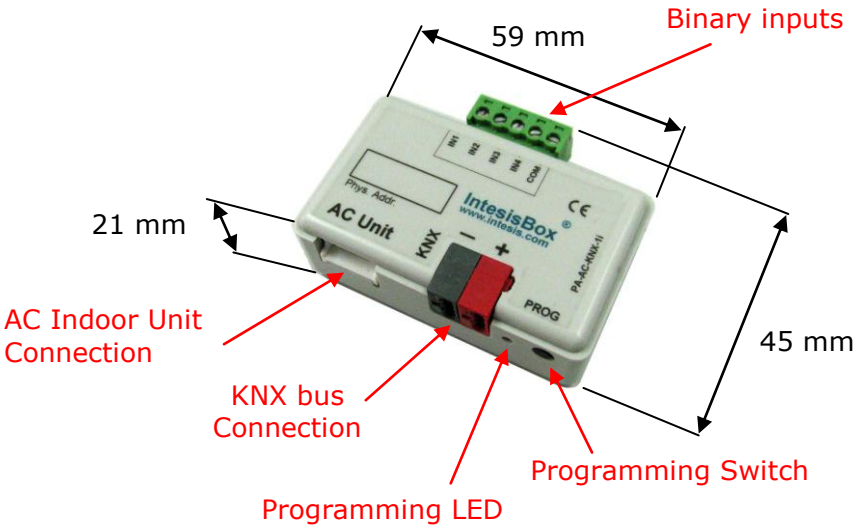
5. Technical Specifications

Envelope	ABS (UL 94 HB). 2,5 mm thickness
Dimensions	59 x 45 x 21 mm
Weight	35g
Colour	Light Grey
Power supply	29V DC, 7mA Supplied through KNX bus.
LED indicators	1 x KNX programming.
Push buttons	1 x KNX programming.
Binary inputs	4 x Potential-free binary inputs. Signal cable length: 5m uschielded, 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 -25ºC to 85ºC
Storage Temperature	From -40ºC to 85ºC
Isolation Voltage	4000V
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



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