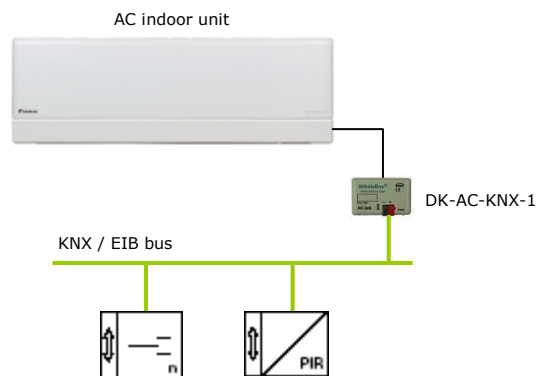




## IntesisBox® DK-AC-KNX-1

### Interface KNX for DAIKIN Air Conditioners (Domestic Line)



IntesisBox® DK-AC-KNX-1 allows monitoring and control, fully bi-directionally, all the functioning parameters of DAIKIN Air Conditioners from KNX installations. Compatible with all the models of the domestic line commercialised by DAIKIN (FTXR-E, CTXU-G, FTXG-E, FTXS-G, FTXS-F, FVXS-F, FLXS-B, FDXS-E, and FDXS-C. Consult for others).

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.

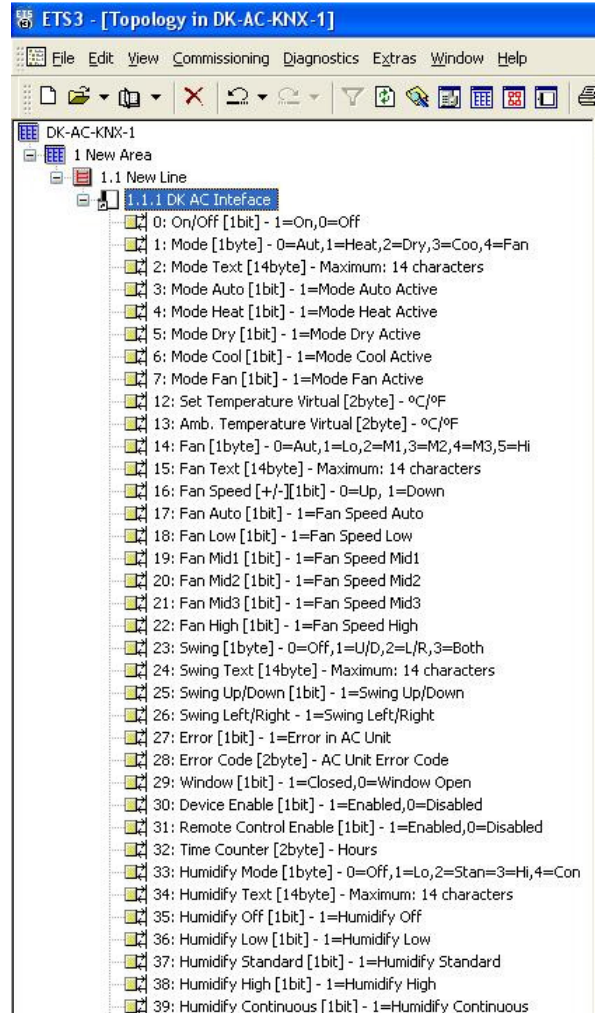
Great flexibility of integration into your KNX projects. Configuration is made directly from ETS, the database of the device comes with a complete set of communication objects allowing, from a simple and quick integration using the basic objects, to the most advanced integration with monitoring and control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

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

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

## Communication objects

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



Function	Object Type	R	W
On/Off	1 Bit	✓	✓
Virtual Ambient Temperature <sup>1</sup>	2 Bytes		✓
Setpoint Temperature	2 Bytes	✓	✓
Operation Mode	1 Byte 1 Bit Text <sup>2</sup>	✓ ✓ ✓	✓ ✓
Fan Speed	1 Byte 1 Bit Text <sup>2</sup>	✓ ✓ ✓	✓ ✓
Swing	1 Byte 1 Bit Text <sup>2</sup>	✓ ✓ ✓	✓ ✓
Humidifier	1 Byte 1 Bit Text <sup>2</sup>	✓ ✓ ✓	✓ ✓
Error in the AC Unit	1 Bit	✓	
Error Code	2 Bytes	✓	
Save/Execute Scenes <sup>3</sup>	1 Byte 1 Bit		✓ ✓
Current Scene <sup>3</sup>	1 Byte	✓	
Device Enable	1 Bit	✓	✓
AC Unit's Remote Control Enable	1 Bit	✓	✓
Running Hours	2 Bytes	✓	✓
Window Contact	1 Bit		✓

<sup>1</sup> Only in case of "Virtual Temperature", to use a KNX temperature sensor for the air conditioning control.

<sup>2</sup> String-type object (14 characters), the text is configurable in device's parameters.

<sup>3</sup> Up to 3 scenes can be saved and executed. A scene is a desired set for: Operation Mode, Temperature Setpoint, Fan Speed, and Swing.



## 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.

AC unit type	<input type="text" value="CONVENTIONAL"/>
Features	<input type="text" value="SIN SWING HORIZ.; SIN HUMIDIFICADOR"/>
Window minutes	<input type="text" value="0"/>
Send object values to KNX bus on startup	<input type="text" value="Yes"/>
When window closes go to last state	<input type="text" value="No"/>
Virtual temperature control	<input type="text" value="Yes"/>

Show Device Objects	<input type="text" value="Yes"/>
Show Mode bits	<input type="text" value="Yes"/>
Show Fan bits	<input type="text" value="Yes"/>
Show Swing Bits	<input type="text" value="Yes"/>
Show Humidify Objects	<input type="text" value="Yes"/>
Show Humidify Bits	<input type="text" value="Yes"/>
Show Auto Details	<input type="text" value="Yes"/>
Enable Mode/Fan/Swing Texts	<input type="text" value="Yes"/>

Mode Auto text	<input type="text" value="Auto"/>
Mode Heat text	<input type="text" value="Heat"/>
Mode Dry text	<input type="text" value="Dry"/>
Mode Fan text	<input type="text" value="Fan"/>
Mode Cool text	<input type="text" value="Cool"/>

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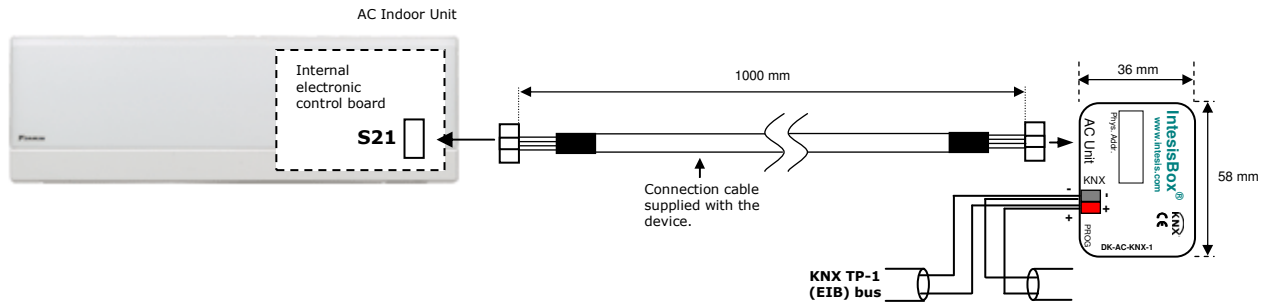


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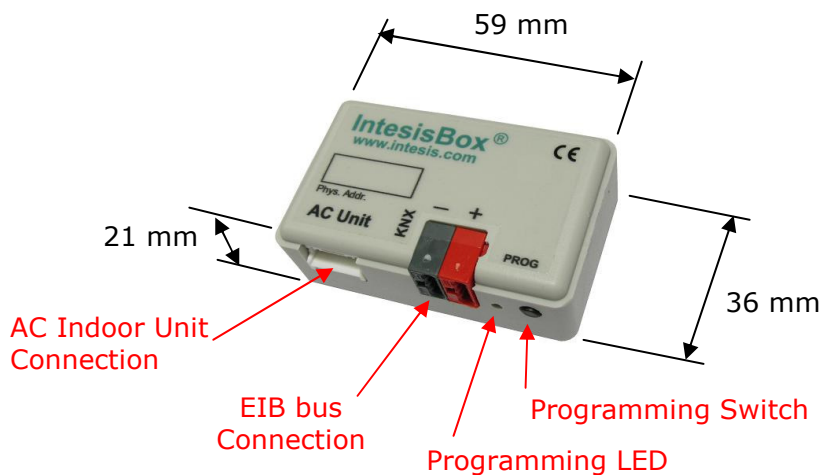
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SOFTWARE, SL

## Connections



## Technical Specifications

Dimensions	59 X 36 X 21 mm
Weight	42 g
EIB Current Consumption	5 mA
Operation Temperature	-25 . . . 85°C
Stock Temperature	-40 . . . 85°C
Isolation Voltage	4000 V



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