

AIR CONDITIONING INTEGRATION

Control your Air Conditioning system from KNX, LonWorks, Modbus, ASCII, EnOcean and SMS.



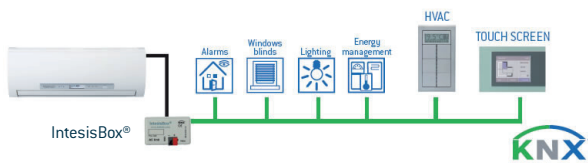
Fujitsu, General, Toshiba, Carrier, Sanyo, Panasonic, Hitachi, Mitsubishi Heavy ...

IntesisBox® KNX gateways for integration of Air Conditioners

Bi-directional integration in KNX of the main Air Conditioning brands.

KNX gateways for Air Conditioning systems

Designed in close cooperation with the Air Conditioning manufacturers to offer full monitoring and control of the Air Conditioners from KNX.



IntesisBox® model

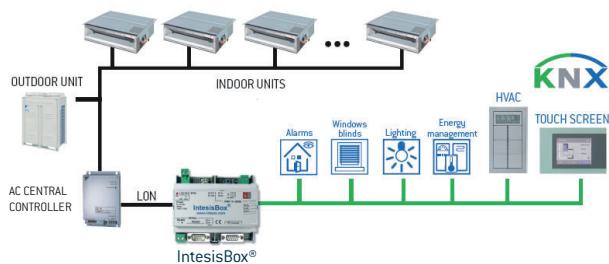
- ME-AC-KNX-1V2
- ME-AC-KNX-15/100
- DK-AC-KNX-1
- DK-RC-KNX-1
- LG-RC-KNX-1
- SM-AC-KNX-16/64/128
- IBOX-KNX-AIRZONE

Brand (Line) of Air Conditioners

- Mitsubishi Electric (Domestic & Mr.Slim)
- Mitsubishi Electric (City Multi - G50, GB50 & AG150)
- DAIKIN (Domestic)
- DAIKIN (SKY & VRV)
- LG
- Samsung (DVM)
- Airzone (Innobus)

Generic KNX gateways for integration of centralized Air Conditioning systems

Designed for a bi-directional integration in KNX of centralized Air Conditioning systems offering Modbus, BACnet or LonWorks® connectivity. The main brands of Variable Refrigerant Volume (V.R.V.) Air Conditioning systems offer Modbus, BACnet or LonWorks® connectivity in their systems, as for example: Daikin, Mitsubishi Electric, Mitsubishi Heavy, Sanyo, General, Fujitsu, Toshiba, etc.



IntesisBox® model

- IBOX-KNX-MBRTU
- IBOX-KNX-MBTCP
- IBOX-KNX-LON
- IBOX-KNX-BAC

Air Conditioning type

- AC System with ModBus RTU interface
- AC System with ModBus TCP interface
- AC System with LonWorks® interface
- AC System with BACnet interface

Features

IntesisBox® gateways offer bi-directional communication for supervision and control of Air Conditioning units. From **KNX**, control: On/Off, Operation Mode, Set and Room Temperatures, Fan Speed, Vane Position, Alarm, Error Code and other additional features.

With advanced functionality:

Virtual Temperature Control

Control of the AC Unit based on a temperature provided by any KNX sensor.

On Time Counter

To plan correctly your AC Unit's filter and components maintenance.

Enable/Disable Remote Control

Command your AC Unit from KNX, from the own AC Unit's remote control, or from both.

Window Control

Use this object to automatically switch Off the AC Unit after a timeout when the window is open, reducing the energy consumption of the AC unit.

Presence Control

Use this object to automatically switch Off the AC unit or reduce the Setpoint after a timeout when no one is in the room, reducing the energy consumption of the AC Unit.

Scenes

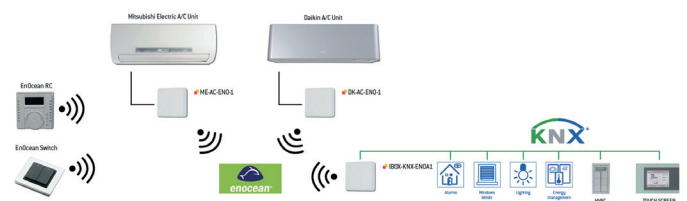
Save and execute up to 5 different scenarios. Save in any moment the desired combination of Operation Mode, Set Temperature, Fan Speed and Vane Position of the AC Unit and execute it later using a simple bit-object.

Multiple objects

Multiple KNX objects available of type Bit, Byte, Text, to make the integration fully flexible but truly simple when required.

Wireless integration of Air Conditioners in KNX with EnOcean Technology

The new IntesisBox® wireless interfaces for Daikin and Mitsubishi Electric Air Conditioners are fully EnOcean inter-operable. When used with the bi-directional gateway IntesisBox® KNX - EnOcean, a quick and simple wireless integration of the Air Conditioners in KNX can be obtained without the need of wiring the AC Units with KNX bus. Integrate in KNX your AC Units wireless with IBOX-KNX-ENOA1, and also integrate other EnOcean devices like switches, lighting actuators, HVAC sensors, etc. Save time and money in wiring.



IntesisBox® model

- ME-AC-ENO-1
- DK-AC-ENO-1
- IBOX-KNX-ENOA1

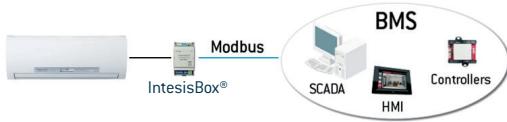
Description

- EnOcean wireless interface for Mitsubishi Electric AC (Domestic & Mr.Slim)
- EnOcean wireless interface for DAIKIN AC (Domestic)
- Bi-directional gateway KNX-EnOcean

IntesisBox® MODBUS gateways for integration of Air Conditioners

Modbus gateways for Air Conditioning systems

Designed in close cooperation with the Air Conditioning manufacturers to offer full monitoring and control of the Air Conditioners from Modbus.



IntesisBox® model

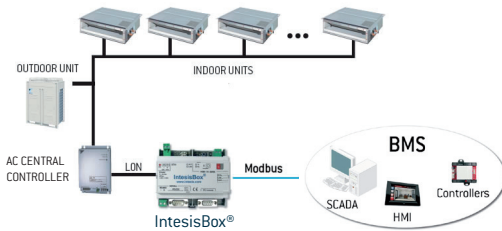
- ME-AC-MBS-1
- ME-AC-MBS-1-2110
- ME-AC-MBS-50/100
- DK-RC-MBS-1
- SM-AC-MBS-32/64/128

Brand (Line) of Air Conditioners

- Mitsubishi Electric (Domestic & Mr.Slim)
- Mitsubishi Electric (Domestic & Mr.Slim) - 2DI/1DO
- Mitsubishi Electric (City Multi - G50, GB50 & AG150)
- DAIKIN (SKY & VRV)
- Samsung (DVM)

Generic Modbus gateways for integration of Centralized Air Conditioning systems

Designed for a bi-directional integration in Modbus of centralized Air Conditioning systems offering BACnet or LonWorks® connectivity. The main brands of Variable Refrigerant Volume (V.R.V.) Air Conditioning systems offer BACnet or LonWorks® connectivity in their systems, as for example: Daikin, Mitsubishi Electric, Mitsubishi Heavy, Sanyo, General, Fujitsu, Toshiba, etc.



IntesisBox® model

- IBOX-MBS-BAC
- IBOX-MBS-LON

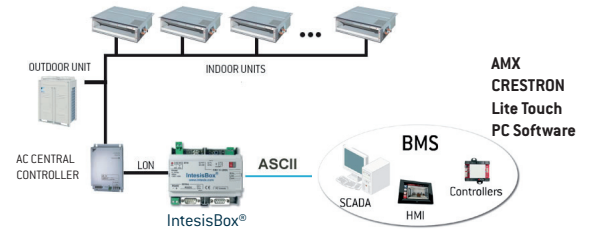
Air Conditioning type

- AC System with BACnet interface
- AC System with LonWorks® interface

IntesisBox® ASCII gateways for integration of Air Conditioners

Full monitoring and control of Centralized Air Conditioning systems by means of simple text messages, specially suited for programmable control systems.

Integration of centralized Air Conditioning systems offering BACnet or LonWorks® connectivity, as for example: Daikin, Mitsubishi Electric, Mitsubishi Heavy, Sanyo, General, Fujitsu, Toshiba, etc.



IntesisBox® model

- IBOX-ASCII-BAC
- IBOX-ASCII-LON

Air Conditioning type

- AC System with BACnet interface
- AC System with LonWorks® interface

IntesisBox® LonWorks gateways for integration of Air Conditioners

Full monitoring and control of Air Conditioners from LonWorks® networks.



IntesisBox® model

- ME-AC-LON-1
- IBOX-LON-PANURBAN

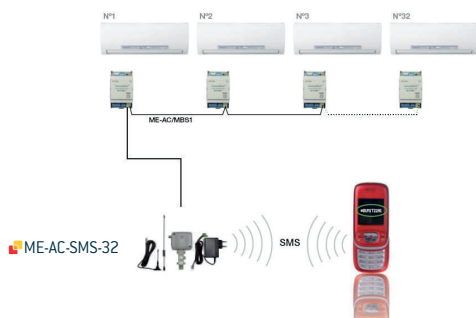
Brand (Line) of Air Conditioning

- Mitsubishi Electric (Domestic & Mr. Slim)
- Panasonic (URBAN NET)

IntesisBox® Wireless gateways for control of Air Conditioners

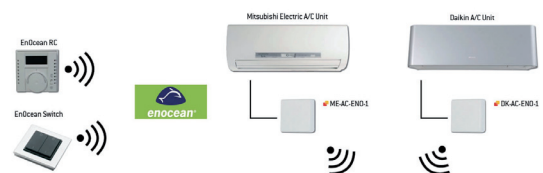
Controller with SMS interface for Mitsubishi Electric Air Conditioners

Full monitoring and control of Domestic and Mr. Slim AC Units from your mobile phone by means of simple SMS messages. With advanced features like alarms notification and a powerful and flexible automatic control of the AC Units based on calendar.



EnOcean wireless interfaces for Mitsubishi Electric and DAIKIN Air Conditioners

The new IntesisBox® wireless interfaces for Daikin and Mitsubishi Electric Air Conditioners are fully EnOcean inter-operable.



IntesisBox® model

- ME-AC-ENO-1
- DK-AC-ENO-1

Description

- EnOcean wireless interface for Mitsubishi Electric AC (Domestic & Mr.Slim)
- EnOcean wireless interface for DAIKIN AC (Domestic)

Catalogue, technical documentation, application examples and much more in www.intesis.com

Intesis Software is member of the KNX Association, KNX Spain and EnOcean Alliance

