

# IntesisBox<sup>®</sup>



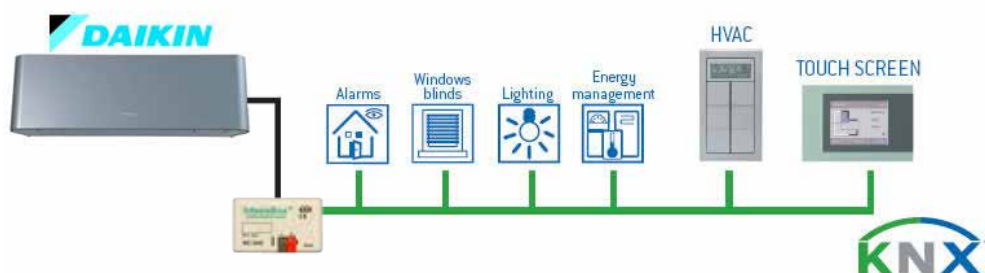
2015

KNX · MODBUS · ENOCEAN

ENGLISH

## DK-AC-KNX-1

IntesisBox® DK-AC-KNX-1 allows monitoring and control, fully bi-directionally, all the operational parameters of DAIKIN air conditioners from KNX installations. Compatible with Domestic Series manufactured by DAIKIN.



### Specifications

- Bidirectional: Monitoring and Control
- Configuration from ETS
- Direct connection to KNX bus and to the AC indoor unit
- No external power supply required
- Small size (WxHxD): 59 x 36 x 21 mm

### Main features

- Easy installation inside the AC indoor unit. Cable to connect to S21 connector supplied.
- Great integration flexibility. Configured directly from the ETS.
- Special communication objects for increasing comfort and energy savings: Open window, Working hours counter, Save /execute scenes, Enable/Disable device, Enable/disable remote controller,...
- Virtual temperature functionality. Useful when an external ambient temperature reference is required (KNX sensor or thermostat) or when the heating and AC unit need to be controlled from the same KNX thermostat.
- Simultaneous control from KNX and the Air Conditioner IR handset.

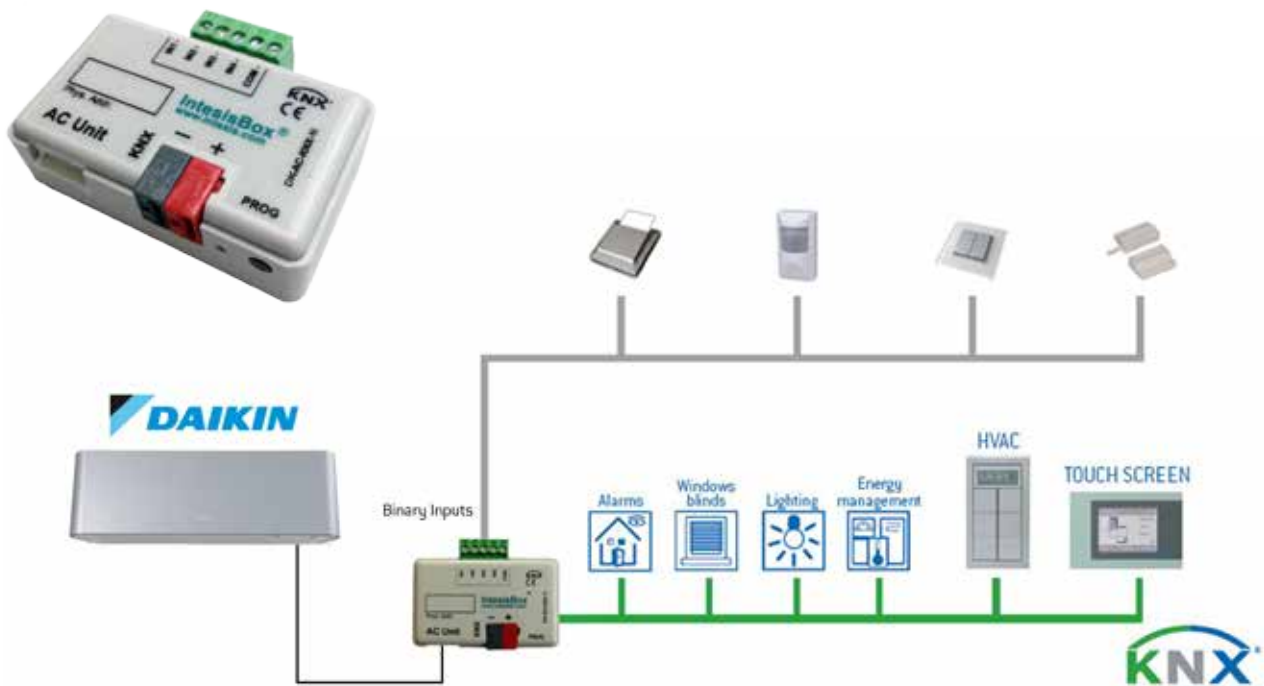
### Info

Datasheet : [http://www.intesis.com/pdf/IntesisBox\\_DK-AC-KNX-1\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_DK-AC-KNX-1_datasheet_eng.pdf)

Compatibility list: [http://www.intesis.com/pdf/IntesisBox\\_DK-AC-xxx-1\\_AC\\_Compatibility.pdf](http://www.intesis.com/pdf/IntesisBox_DK-AC-xxx-1_AC_Compatibility.pdf)

## DK-AC-KNX-1i

IntesisBox® DK-AC-KNX-1i allows monitoring and control, fully bi-directionally, of all the operational parameters of DAIKIN air conditioners from KNX installations. Compatible with Domestic Series manufactured by DAIKIN. 4 free-use binary inputs.



### Specifications

- Bidirectional: Monitoring and Control
- Configuration from ETS
- 4 binary inputs for potential-free contacts
- Direct connection to KNX bus and to the AC indoor unit
- Allows use of a KNX temperature sensor
- No external power supply required
- Small size (WxHxD): 59 x 45 x 21 mm

### Main features

- Easy installation inside the air conditioning indoor unit. Cable to connect to S21 connector supplied.
- Great integration flexibility. Configured directly from the ETS.
- Special communication objects for increasing comfort and energy savings: Open window, Working hours counter, Save /execute scenes, Enable/Disable device, Enable/disable remote controller,...
- Virtual temperature functionality. Useful when an external ambient temperature reference is required (KNX sensor or thermostat) or when the heating and AC unit need to be controlled from the same KNX thermostat.
- Simultaneous control from KNX and the Air Conditioner IR handset.

### Info

Datasheet: [http://www.intesis.com/pdf/IntesisBox\\_DK-AC-KNX-1i\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_DK-AC-KNX-1i_datasheet_eng.pdf)

Compatibility list: [http://www.intesis.com/pdf/IntesisBox\\_DK-AC-xxx-1\\_AC\\_Compatibility.pdf](http://www.intesis.com/pdf/IntesisBox_DK-AC-xxx-1_AC_Compatibility.pdf)

## DK-RC-KNX-1

IntesisBox® DK-RC-KNX-1 gateway allows monitoring and bidirectional control of all the parameters and functionality of DAIKIN air conditioners from KNX installations. Compatible with SKY Air & VRV Series manufactured by DAIKIN.



DK-RC-KNX-1 as Master



DK-RC-KNX-1 as Slave



### Specifications

- Bidirectional: Monitoring and Control
- Configuration from ETS
- Direct connection to KNX bus and to the AC indoor unit
- Connection type: 2 wires without polarity.
- Total maximum distance: 500 m.
- No external power supply required
- Small size (WxHxD): 71 x 71 x 27 mm

### Main features

- Easy installation as Slave or Master in parallel with Daikin remote controllers.
- Great integration flexibility. Configured directly from the ETS.
- Special communication objects for increasing comfort and energy savings: Open window, Working hours counter, Save /execute scenes, Enable/Disable device, Enable/disable remote controller,...
- Virtual temperature functionality. Useful when an external ambient temperature reference is required (KNX sensor or thermostat) or when the heating and AC unit need to be controlled from the same KNX thermostat.
- Simultaneous control from KNX and the Air Conditioner Remote Controller.

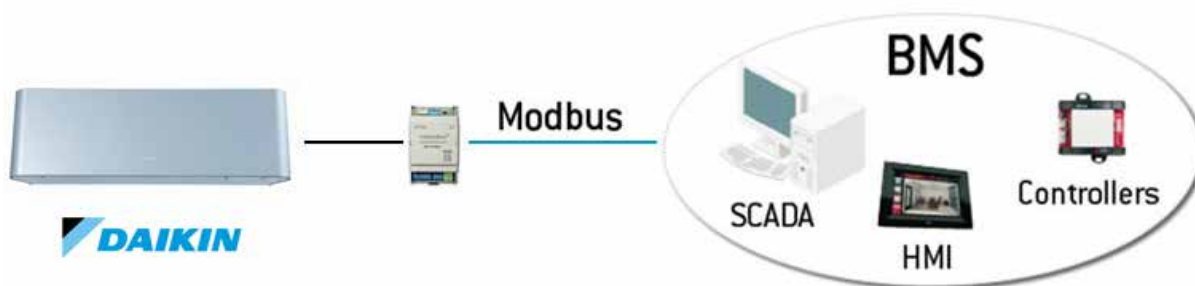
### Info

Datasheet: [http://www.intesis.com/pdf/IntesisBox\\_DK-RC-KNX-1\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_DK-RC-KNX-1_datasheet_eng.pdf)

Compatibility list: [http://www.intesis.com/pdf/IntesisBox\\_DK-RC-xxx-1\\_AC\\_Compatibility.pdf](http://www.intesis.com/pdf/IntesisBox_DK-RC-xxx-1_AC_Compatibility.pdf)

# DK-AC-MBS-1

The DK-AC-MBS-1 interface allows a complete and natural integration of Daikin air conditioners into ModBus RTU (RS-485) networks. Compatible with Domestic Series manufactured by DAIKIN.



## Specifications

- Bidirectional: Monitoring and Control
- Fast and easy installation
- Direct connection to RS-485 bus and the AC indoor unit
- Configuration from both on-board DIP-switches and MODBUS RTU.
- No external power supply required
- Small size (WxHxD): 93 x 53 x 58 mm

## Main features

- Easy installation. Cable for S21 connector supplied.
- Great integration flexibility.
- Special communication objects for increasing comfort and energy savings: Open window, Working hours counter, Save /execute scenes, Enable/Disable device, Enable/disable remote controller,...
- Simultaneous control from ModBus and the Daikin Remote controller.

## Info

Datasheet: [http://www.intesis.com/pdf/IntesisBox\\_DK-AC-MBS-1\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_DK-AC-MBS-1_datasheet_eng.pdf)

Compatibility list: [http://www.intesis.com/pdf/IntesisBox\\_DK-AC-xxx-1\\_AC\\_Compatibility.pdf](http://www.intesis.com/pdf/IntesisBox_DK-AC-xxx-1_AC_Compatibility.pdf)



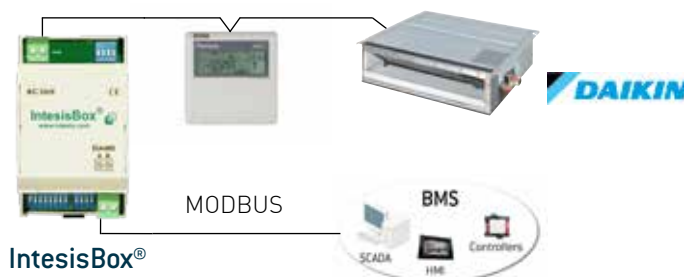
## DK-RC-MBS-1

IntesisBox® DK-RC-KNX-1 gateway allows monitoring and bidirectional control of all the parameters and functionality of DAIKIN Air conditioners from ModBus installations.

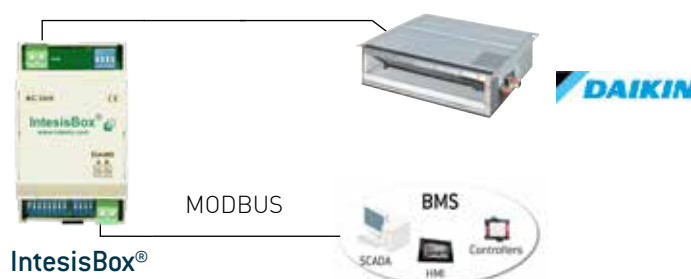
Compatible with SKY & VRV Series manufactured by DAIKIN.



Example 1. Gateway as a Slave



Example 2. Gateway as a Master



### Specifications

- Bidirectional: Monitoring and Control
- Fast and easy installation
- Direct connection to RS-485 bus and the AC indoor unit
- Configuration from both on-board DIP-switches and MODBUS registers.
- No external power supply required
- Small size (WxHxD): 71 x 71 x 27 mm

### Main features

- Easy installation as Slave or Master in parallel with Daikin remote controllers.
- Great integration flexibility. Easy integration with basic parameters up to complete monitoring and control of the AC unit operation is possible.
- Special communication objects for increasing comfort and energy savings: Open window, Working hours counter, Save /execute scenes, Enable/Disable device, Enable/disable remote controller,...
- Simultaneous control from ModBus and the Daikin Remote controller.

### Info

Datasheet: [http://www.intesis.com/pdf/IntesisBox\\_DK-RC-MBS-1\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_DK-RC-MBS-1_datasheet_eng.pdf)

Compatibility list available at [http://www.intesis.com/pdf/IntesisBox\\_DK-RC-xxx-1\\_AC\\_Compatibility.pdf](http://www.intesis.com/pdf/IntesisBox_DK-RC-xxx-1_AC_Compatibility.pdf)

# DK-AC-ENO-1 / DK-AC-ENO-1C

IntesisBox® DK-AC-ENO-1 / 1C gateways have been specially designed, in collaboration with Daikin, to allow monitoring and bidirectional control of all the parameters and functionality of Mitsubishi Electric air conditioners from EnOcean installations. Compatible with all the models of the Domestic Series manufactured by DAIKIN.



## Specifications

- Bidirectional: Monitoring and Control
- Multiple EnOcean EEP's supported
- Configurable advanced room control functionalities
- Repeater functionality available
- Direct connection to the AC indoor unit
- No external power supply required
- Small size (WxHxD): 71 x 71 x 27 mm

## Models available

- DK-AC-ENO-1 (EnOcean Freq: 868 MHz. Europe)
- DK-AC-ENO-1C (EnOcean Freq: 315 MHz. USA and Asia)

\*\* For other world locations contact your supplier

## Info

Datasheet: [http://www.intesis.com/pdf/IntesisBox\\_DK-AC-ENO-1\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_DK-AC-ENO-1_datasheet_eng.pdf)

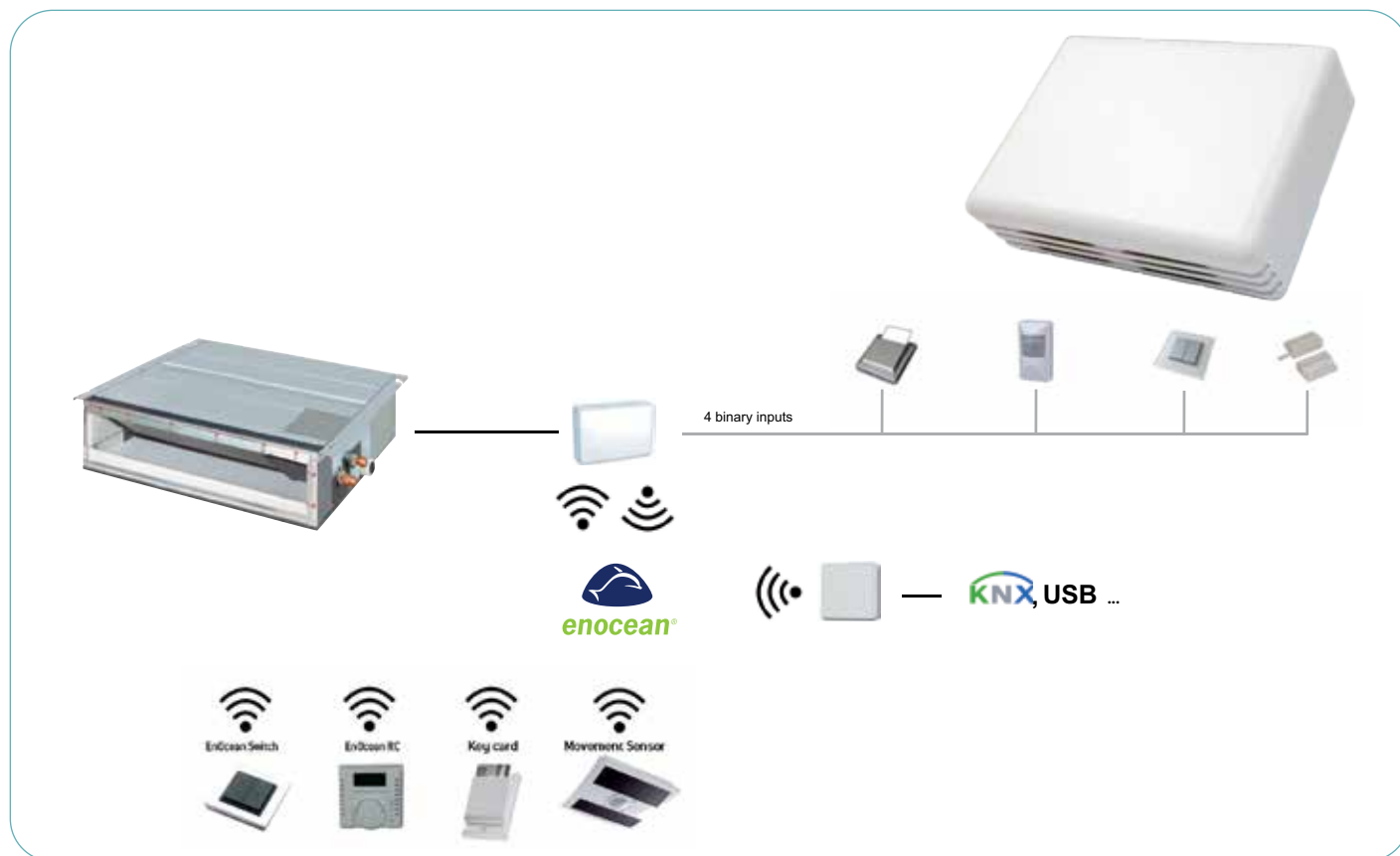
Compatibility list: [http://www.intesis.com/pdf/IntesisBox\\_DK-AC-xxx-1\\_AC\\_Compatibility.pdf](http://www.intesis.com/pdf/IntesisBox_DK-AC-xxx-1_AC_Compatibility.pdf)

## Main features

- Easy installation. Direct connection to the AC indoor unit (S21 connector). Cable supplied.
- Great integration flexibility for all kind of EnOcean enabled sensors, actuators or gateways
- Configurable advanced room control functionalities using the IS-ENO-MANAGER software. Can work as repeater.
- Virtual temperature functionality. Useful when an external ambient temperature reference is required.
- Simultaneous control from EnOcean devices and the Air Conditioner IR handset.

## DK-RC-ENO-1i / DK-RC-ENO-1iC

IntesisBox® DK-RC-ENO-1i allows Monitoring and control, fully bi-directionally, of all the operational parameters of DAIKIN Sky & VRV Air Conditioners from EnOcean installations. 4 free-use binary inputs.



### Specifications

- Bidirectional: Monitoring and Control
- Configurable advanced room control functionalities
- Repeater functionality available
- 4 potential free binary inputs
- No external power supply required
- Small size (WxHxD): 70 x 100 x 28 mm

### Models available

- DK-RC-ENO-1i (EnOcean Freq: 868 MHz. Europe)
- DK-RC-ENO-1iC (EnOcean Freq: 315 MHz. USA and Asia)

\*\* For other world locations contact your supplier

### Main features

- Easy installation as Slave or Master in parallel with Daikin remote controllers.
- Great integration flexibility for all kind of EnOcean enabled sensors, actuators or gateways. 4 binary inputs working as standard EnOcean inputs or directly controlling the AC unit
- Configurable advanced room control functionalities using the IS-ENO-MANAGER software. Can work as repeater.
- Virtual temperature functionality. Useful when an external ambient temperature reference is required.

### Info

Datasheet: [http://www.intesis.com/pdf/IntesisBox\\_DK-RC-ENO-1i\\_datasheet\\_eng.pdf](http://www.intesis.com/pdf/IntesisBox_DK-RC-ENO-1i_datasheet_eng.pdf)

Compatibility list: [http://www.intesis.com/pdf/IntesisBox\\_DK-RC-xxx-1\\_AC\\_Compatibility.pdf](http://www.intesis.com/pdf/IntesisBox_DK-RC-xxx-1_AC_Compatibility.pdf)





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