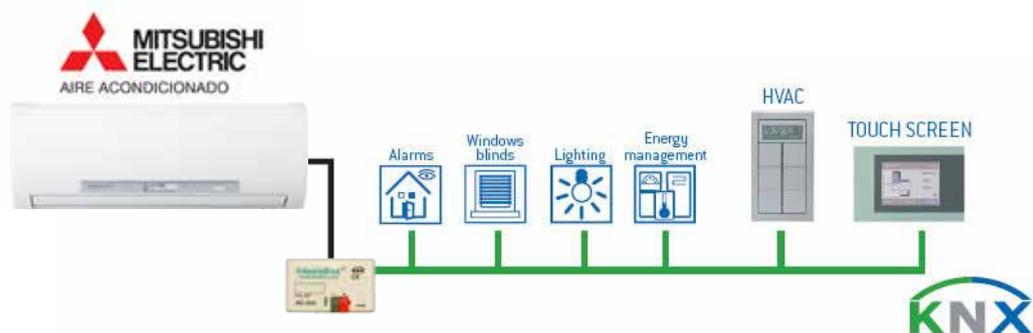# IntesisBox®

Gateways for air conditioning units

MITSUBISHI ELECTRIC

2015

Intesis

ME-AC-KNX-1 v2

IntesisBox® ME-AC-KNX-1 v2 allows monitoring and control, fully bi-directionally, of all the operational parameters of Mitsubishi Electric air conditioners from KNX installations.
Compatible with Domestic and Mr. Slim Series manufactured by Mitsubishi Electric.

Specifications

- Bidirectional: Monitoring and Control
- Configuration from ETS
- Direct connection to KNX TP 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, even inside the air conditioning indoor unit. Cable to connect to CN105 or CN92 connector is 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) to control the AC, or when the heating and AC unit need to be controlled from the same KNX thermostat.
- Simultaneous control from KNX and from the IR controller of the Air Conditioner.
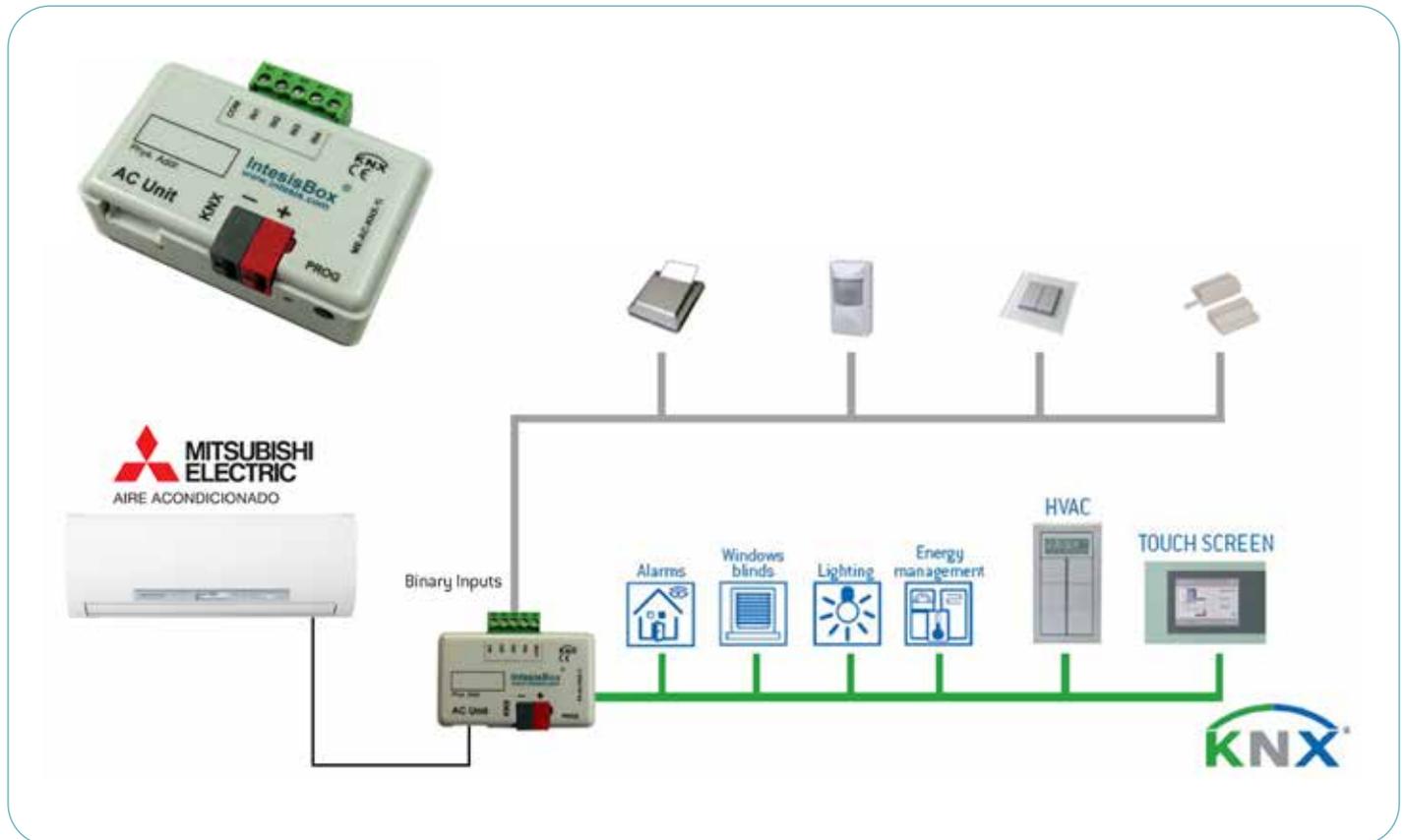
Info

Datasheet: http://www.intesis.com/pdf/IntesisBox_ME-AC-KNX-1_datasheet_eng.pdf
Compatibility list: http://www.intesis.com/pdf/IntesisBox_ME-AC-xxx-1_AC_Compatibility.pdf

ME-AC-KNX-1i

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

Specifications

- Bidirectional: Monitoring and Control
- Configuration from ETS
- Direct connection to KNX bus and to the AC indoor unit
- 4 binary inputs for potential-free contacts
- Allows use of 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 CN105 or CN92 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,...
- Ambient 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.
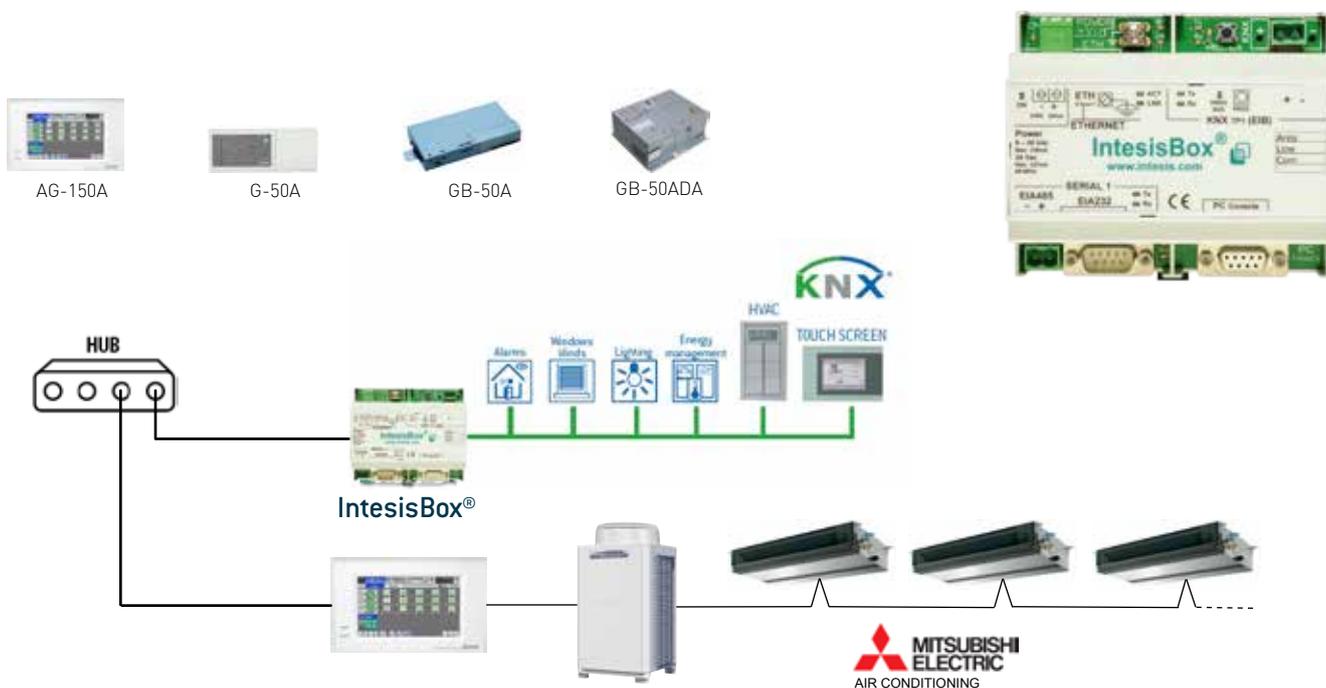
Info

Datasheet: http://www.intesis.com/pdf/IntesisBox_ME-AC-KNX-1i_datasheet_eng.pdf
Compatibility list: http://www.intesis.com/pdf/IntesisBox_ME-AC-xxx-1_AC_Compatibility.pdf

Intesis

ME-AC-KNX-15 / ME-AC-KNX-100

IntesisBox® ME-AC-KNX-15 / 100 gateways have been specially designed, in collaboration with Mitsubishi Electric, to allow monitoring and bidirectional control of all the parameters and functionality of Mitsubishi Electric air conditioners using G-50A, GB-50A or AG-150A controllers from KNX installations.

AG-150A   G-50A   GB-50A   GB-50ADA

IntesisBox®

Compatible with all Mitsubishi Electric air conditioning units connected to centralized controls. The AG-150A must have the FGWEBASIC function (Web basic package).

Specifications

• Bidirectional: Monitoring and Control
• Robust and reliable hardware
• Direct connection to KNX bus
• Independent management of communications
• Power supply: 9 to 24Vdc or 24Vac
• Standard DIN-Rail 6 modules enclosure

Models available

• ME-AC-KNX-15 (Maximum 15 group of indoor units and 1 G-50A / GB50A / AG-150A / GB-50ADA centralized control)
• ME-AC-KNX-100 (Maximum 100 group of indoor units and 2 G-50A / GB-50A / AG-150A / GB-50ADA centralized controls)

Info

Datasheet: http://www.intesis.com/pdf/IntesisBox_KNX_ME_G50_datasheet_eng.pdf

Main features

• Communication trough Ethernet to centralized controls G-50A / GB-50A / AG-150A / GB-50ADA
• Great integration flexibility. Using the supplied software LinkBoxEIB, a complete set of communication objects can be accessed. Monitoring and control from basic parameters to a complete monitoring and control of the AC units is possible.
• 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.

ME-AC-MBS-1 / ME-AC-MBS1-2I1O

IntesisBox® ME-AC-MBS-1 and ME-AC-MBS-1-2I1O gateways have been specially designed, in collaboration with Mitsubishi Electric, to allow monitoring and bidirectional control of all the parameters and functionality of Mitsubishi Electric Mr. Slim and Domestic air conditioning Series from ModBus installations.
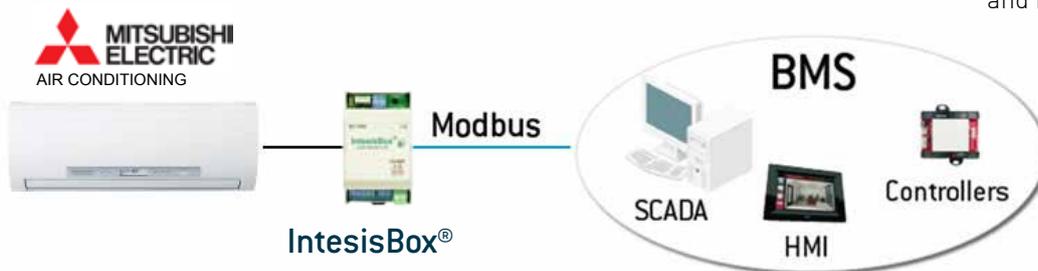

ME-AC-MBS-1

ME-AC-MBS-1-2I1O*

· Wonderware
· Intellution
· ABB
and many others

Specifications

- Bidirectional: Monitoring and Control
- Fast an easy installation
- 2 digital inputs and 1 digital output, mapped in 3 independent ModBus registers
- Direct connection to RS-485 bus and the AC indoor unit
- No external power supply required
- Small size (WxHxD): 93 x 53 x 58 mm

Main features

- Easy installation inside the air conditioning indoor unit. Cable for CN105 or CN92 connector supplied.
- Great integration flexibility. Easy integration with basic parameters up to complete monitoring of the AC unit operation is possible.
- Configuration from both on-board DIP-switches and MODBUS registers.
- 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 Mitsubishi Electric Remote controller.

Info

Datasheet: http://www.intesis.com/pdf/IntesisBox_ME-AC-MBS-1_datasheet_eng.pdf
Datasheet: http://www.intesis.com/pdf/IntesisBox_ME-AC-MBS-1-2I1O_datasheet_eng.pdf
Compatibility list: http://www.intesis.com/pdf/IntesisBox_ME-AC-xxx-1_AC_Compatibility.pdf

ME-AC-MBS-50 / ME-AC-MBS-100

IntesisBox® ME-AC-MBS-50 / 100 gateways have been specially designed, in collaboration with Mitsubishi Electric, to allow monitoring and bidirectional control of all the parameters and functionality of Mitsubishi Electric air conditioners using G-50A, GB-50A or AG-150A controllers from ModBus installations.

Compatible with all Mitsubishi Electric Air Conditioning units connected to centralized controls
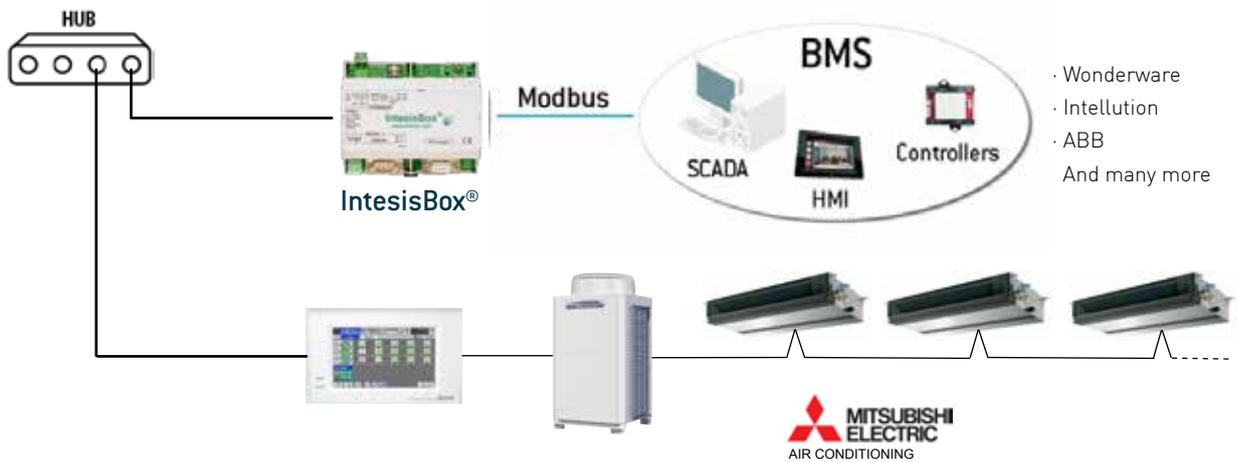
AG-150A   G-50A   GB-50A   GB-50ADA

IntesisBox®

· Wonderware
· Intellution
· ABB
  And many more

MITSUBISHI ELECTRIC
AIR CONDITIONING

* The AG-150A must have the FGWEBASIC function (Web basic package). Ask Mitsubishi Electric.

Specifications
- Bidirectional: Monitoring and Control
- Robust and reliable hardware
- ModBus TCP or ModBus RTU RS-485/RS-232
- Independent management of communications
- Power supply: 9 to 24Vdc or 24Vac
- Standard DIN-Rail 6 modules enclosure

Models available
- ME-AC-MBS-50: supports up to 1 G50 and 50 City Multi groups.
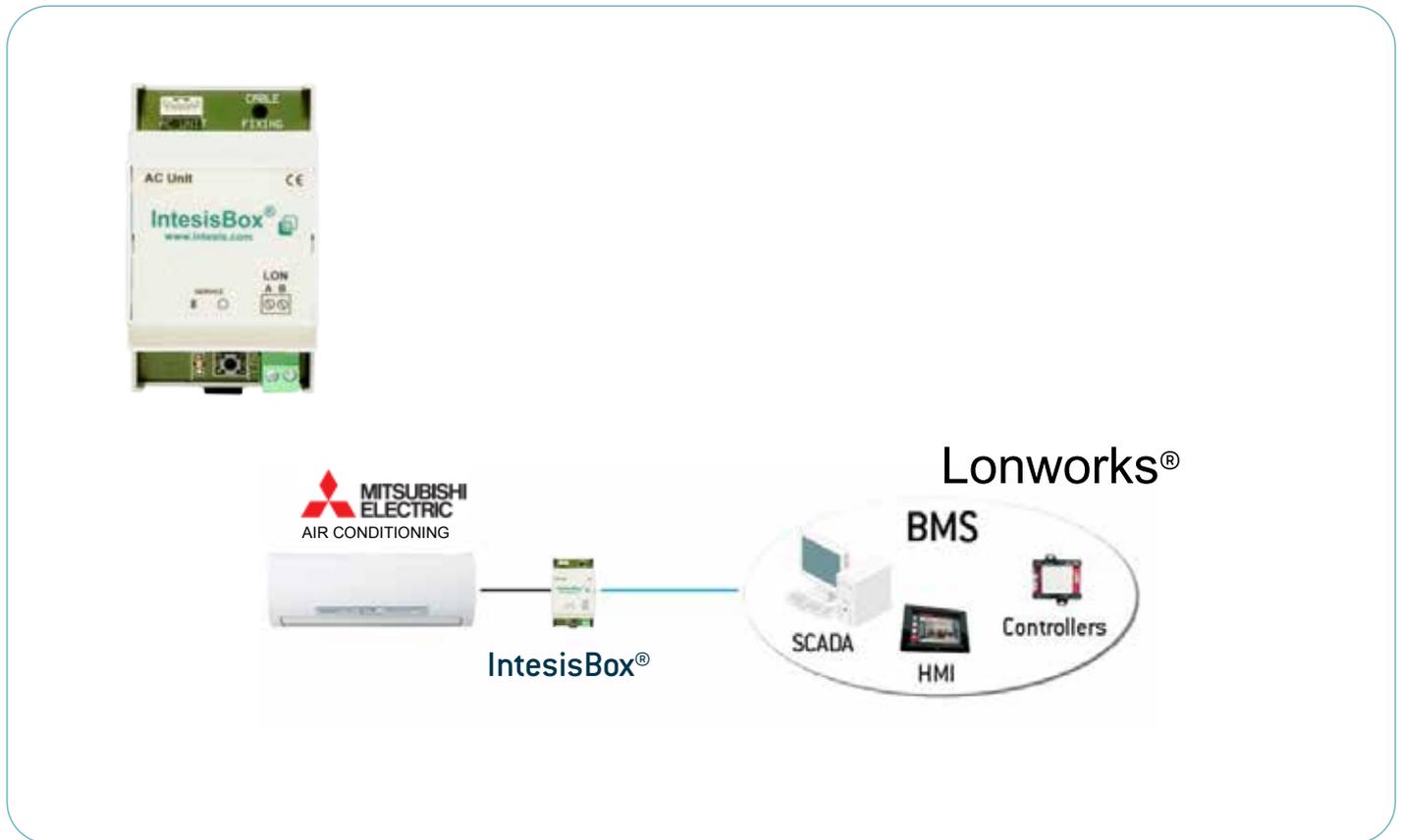- ME-AC-MBS-100: supports up to 2 G50s and 100 City Multi groups.

Main features
- Compatible with all Mitsubishi Electric Air Conditioning units connected to centralized controls G-50A / GB-50A / AG-150A / GB-50ADA.
- Easy installation. To be connected through Ethernet to the centralized controls
- Great integration flexibility. Using the software LinkBoxMB, ModBus registers can be accessed. Easy integration with basic parameters up to complete monitoring of the AC unit operation is possible. LinkBoxMB supplied without charge.
- Advanced integration with air conditioner. Simultaneous control from ModBus and the Mitsubishi Electric Remote controller.

Info
Datasheet : http://www.intesis.com/pdf/IntesisBox_Modbus_Server_ME_G50_datasheet_eng.pdf

ME-AC-LON-1

IntesisBox® ME-AC-LON-1 gateway has been specially designed, in collaboration with Mitsubishi Electric, to allow monitoring and bidirectional control of all the parameters and functionality of Mitsubishi Electric air conditioners from Lonworks® installations. Compatible with Domestic and Mr. Slim Series manufactured by Mitsubishi Electric.

Lonworks®

MITSUBISHI ELECTRIC
AIR CONDITIONING

IntesisBox®

BMS
SCADA
HMI
Controllers

Specifications

- Bidirectional: Monitoring and Control
- Direct connection to LON bus and to the AC indoor unit
- No external power supply required
- Small size (WxHxD): 93 x 53 x 58 mm.

Main features

- Easy installation inside the AC indoor unit. Cable for CN105 or CN92 connector supplied.
- Great integration flexibility. Monitoring and control from basic parameters to a complete Monitoring and control of the AC units 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 LON and the Mitsubishi Electric air conditioning IR handset.

Info

Datasheet: http://www.intesis.com/pdf/IntesisBox_ME_AC_LON_1_leaflet_eng.pdf
Compatibility list: http://www.intesis.com/pdf/IntesisBox_ME-AC-xxx-1_AC_Compatibility.pdf

ME-AC-ENO-1 / ME-AC-ENO-1C

IntesisBox® ME-AC-ENO-1 / 1C gateways have been specially designed, in collaboration with Mitsubishi Electric, 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 and Mr. Slim Series manufactured by Mitsubishi Electric.

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

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

  ** For other world locations contact your supplier

Main features

- Easy installation. Direct connection to the AC indoor unit (CN105 or CN92 connector). Cable supplied.
- Great integration flexibility for all kind of EnOcean enabled sensors, actuators or gateways
- Configurable advanced room control functionalities using IS-ENO-MANAGER software. It can work as a repeater.
- Virtual temperature functionality. Useful when an external ambient temperature reference is required.
- Simultaneous control from EnOcean devices and the Air Conditioner IR handset.

Info

Datasheet: http://www.intesis.com/pdf/IntesisBox_ME-AC-ENO-1_datasheet_eng.pdf

Compatibility list: http://www.intesis.com/pdf/IntesisBox_ME-AC-xxx-1_AC_Compatibility.pdf

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Authorized Dealer