Mitsubishi Electric Ecodan Air-to-water heat pumps to KNX Secure

Item number: INKNXMIT001A200

This gateway allows full bidirectional communication between Mitsubishi Electric Ecodan Air-to-Water heat pumps and KNX data secure systems.

Mitsubishi Electric Air-to-Water to KNX Secure - 1 AW unit

Features and benefits

- **KNX Data Secure certified gateway**
  Provides encrypted KNX communication in compliance with European cybersecurity standards.
- **Four binary inputs: Multiple energy efficiency functions**
  Expands automation capabilities with support for occupancy sensors, window contacts, energy meters, or any digital input to reduce the AW energy waste.
- **Energy efficiency and comfort optimization**
  Weather-dependent ambient temperature setup.
- **Local and remote control at the same time**
  This is an additional user interface in the Ecodan installation. It does not replace the main user interface, which is still required for operation.
- **ETS configuration**
  Ensures fast, standard-compliant setup with familiar tools for KNX professionals.
- **Maximize comfort with scene control**
  Supports pre-configured comfort or energy-saving modes for flexible automation.
- **Avoid compatibility issues**
  This gateway is compatible with monoblock and split systems from the Mitsubishi Electric Ecodan range.
- **Detect outliers and anomalies in the AW system's performance**
  It provides error codes and detailed descriptions, enabling the KNX system to execute preventive maintenance schedules.

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General

Net Width (mm)	40
Net Height (mm)	21
Net Depth (mm)	40
Net Weight (g)	50
Packed Width (mm)	115
Packed Height (mm)	67
Packed Depth (mm)	90
Packed Weight (g)	90
Operating Temperature °C Min	0
Operating Temperature °C Max	60
Storage Temperature °C Min	-20
Storage Temperature °C Max	60
Power Consumption (W)	KNX: 30Vd.c/ 25mA AC: 12Vd.c/ 5mA
Input Voltage (V)	29 VDC
Power Connector	Other
Configuration	ETS
Installation Conditions	This gateway is designed to be mounted inside an enclosure. If the unit is mounted outside an enclosure, precautions should always be taken to prevent electrostatic discharge to the unit. When working inside an enclosure (e.g., making adjustments, setting switches, etc.), typical anti-static precautions should always be followed before touching the unit.
AC Model Compatibility	Compatible with monoblock and split systems from the Mitsubishi Electric Ecodan range.
Content of Delivery	Intesis Gateway, Installation Manual, AW Connection cable.

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General

Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	3 years

Identification and Status

Product ID	INKNXMIT001A200
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	KNX, HVAC port.
LED Indicators	KNX
Contains Battery	No

Certifications and Standards

CE	Yes
CB	Yes
UL	Yes
KNX	Yes
WEEE Category	IT and telecommunications equipment

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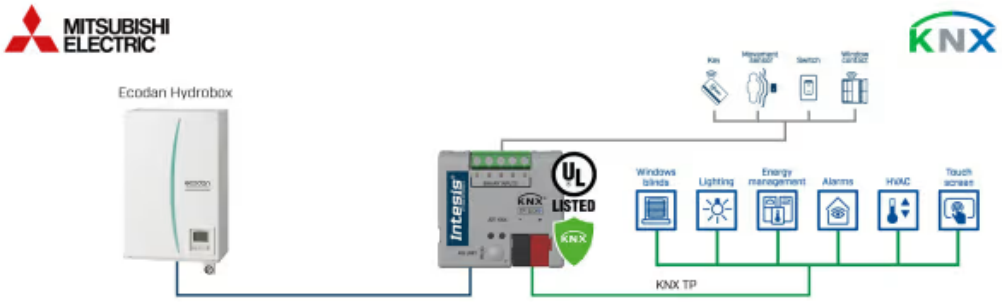
Use Case



Integration example.