Hisense VRF systems to KNX Application



Item number: IN770AIR00MO000

The Hisense application allows bidirectional control and monitoring of Hisense VRF systems from a KNX installation. This solution allows the integration of up to 64 indoor units.

Hisense to KNX - Up to 64 Indoor Units

Features and benefits

Full KNX interoperability

KNX standard datapoints (DPTs) are supported for simple integration into the KNX system.

Reduce commissioning time

Scan the bus and find all the units connected to the HVAC system with their control signals, including outdoor unit indicators.

A gateway for any project's size

Choose the license that best fits your needs (XXS - 4 indoor units, 00S - 16 indoor units, 00M - 64 indoor units), or upgrade your current license. Your project's dimensions and budget are covered.

Fast and intuitive project configuration

Intesis MAPS is the user-friendly configuration tool that enables you to maximize the potential of Intesis gateways. Select your template and avoid manual signal mapping.

Minimize the use of installation materials, reduce the installation work

The gateway is connected directly to the outdoor units' communication bus. One single gateway enables centralized access to the entire HVAC system.

Enable energy efficiency by controlling the building's main consuming asset

The gateway's Power Estimation Algorithm allows you to estimate the energy consumption of each indoor unit connected to the VRF system.

Avoid compatibility issues

This gateway is compatible with any Hisense VRF system.

Automatic updates will keep your product high performing

Both the Intesis MAPS configuration tool and the interface's firmware can receive automatic updates to improve the product's functionality.

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General

Capacity	M: Up to 64 indoor units
Net Width (mm)	106
Net Height (mm)	90
Net Depth (mm)	58
Net Weight (g)	194
Packed Width (mm)	125
Packed Height (mm)	85
Packed Depth (mm)	140
Packed Weight (g)	356
Operating Temperature °C Min	0º
Operating Temperature °C Max	60º
Storage Temperature °C Min	-30
Storage Temperature °C Max	60
Power Consumption (W)	3
Input Voltage (V)	For DC: 12 .. 36 VDC ±10%, Max: 250 mA For AC: 24 VAC ±10 %, 50-60 Hz, Max: 127 mA Recommended voltage: 24 VDC, Max: 127 mA
Power Connector	3-pole
Configuration	Intesis MAPS
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.
Content of Delivery	Intesis gateway and installation manual.

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General

Not Included (in delivery)	Power supply and USB cable not included.
Mounting	DIN rail mount (bracket included), Wall mount
Housing Materials	Plastic
Warranty (years)	3 years
Packaging Material	Cardboard

Identification and Status

Product ID	IN770AIR00MO000_KNX_HIS
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No

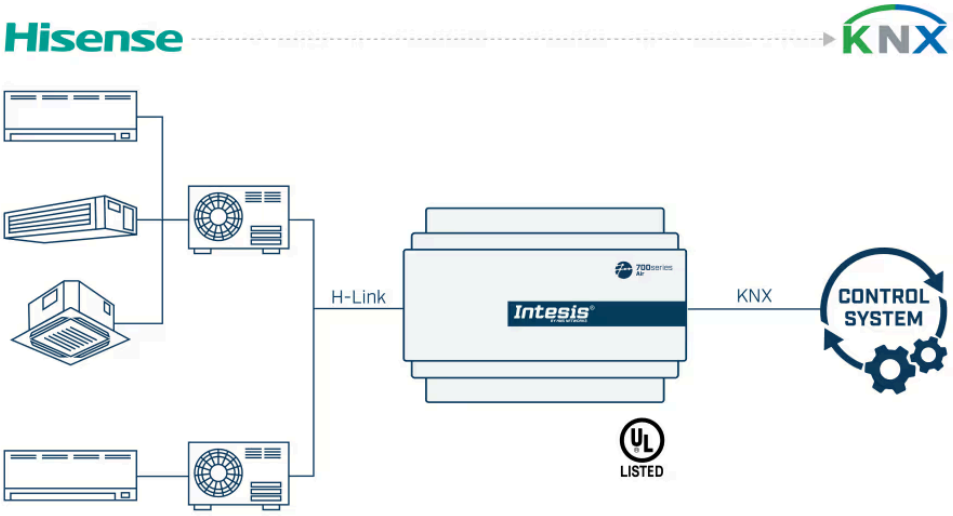
Physical Features

Connectors / Input / Output	Power supply, EIA-485, KNX, Ethernet, HVAC port, Binary inputs (dry contact), Console port USB.
LED Indicators	Gateway and communication status.
Push Buttons	Factory reset. I-Am message (for BACnet only). Normal mode/programming mode switch (for KNX only).
DIP & Rotary Switches	EIA-485 serial port configuration.
Contains Battery	No

Certifications and Standards

Product Certifications	CE, CB, UKPSTI, UL
WEEE Category	IT and telecommunications equipment

Use Case



Integration example.



Use Intesis MAPS to change the protocol: BACnet, Modbus, KNX, MQTT, or Home Automation