Samsung NASA VRF systems to KNX Application

Item number: IN770AIR00MO000

The Samsung application has been specially designed to allow bidirectional control and monitoring of Samsung NASA VRF systems from a KNX installation. The solution allows the integration of up to 64 indoor units from a single interface.

Samsung 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.
- **Automatic identification**
  A scan function is available for automatic identification of the units present in the VRF system.
- **Individual indoor unit energy consumption signals**
  Energy consumption signals from each indoor unit are available, so they can be checked individually.
- **WindFree supported**
  This interface supports the WindFree™ Cooling technology and all the advantages it brings.
- **Direct access to the outdoor unit**
  Connection is simple, as the interface connects directly to the outdoor unit's communication bus.
- **Outdoor unit signals**
  Signals assigned to the outdoor unit are available to be used in the integration.
- **Datapoint support**
  A wide range of monitoring and control datapoints is available.
- **Commissioning-friendly approach with Intesis MAPS**
  Templates can be imported and reused as often as needed, significantly reducing commissioning time.

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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 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_SAM
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No

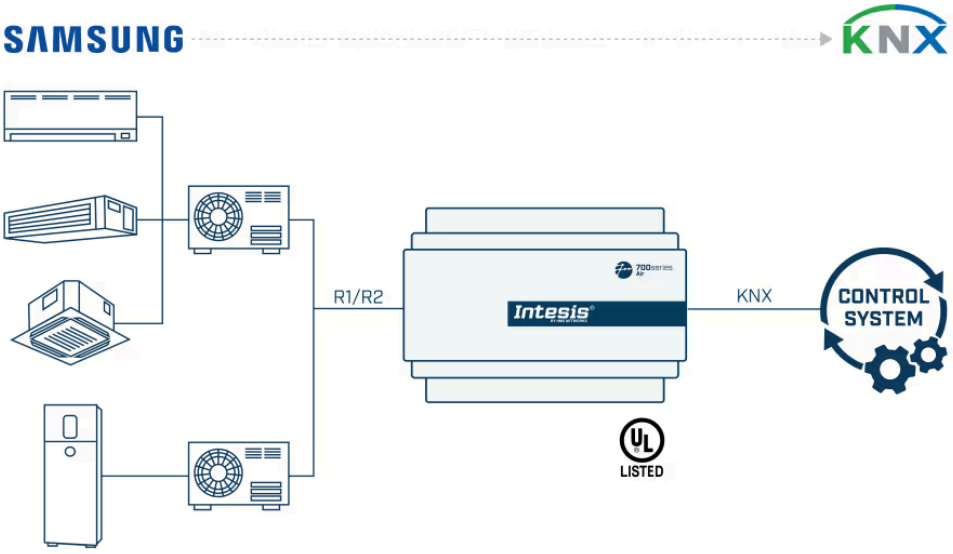
Physical Features

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