

## York VRF systems to KNX Application

Item number: IN770YRK00MO000

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



*York 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.
- ✓ **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.
- ✓ **Reduce commissioning time**  
Scan the bus and find all the units connected to the HVAC system with their control signals, including outdoor unit indicators.
- ✓ **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.
- ✓ **A gateway for any project's size**  
Choose the license that best fits your needs (XXS - 4 indoor units, OOS - 16 indoor units, OOM - 64 indoor units), or upgrade your current license. Your project's dimensions and budget are covered.
- ✓ **Avoid compatibility issues**  
This gateway is compatible with any York VRF system.
- ✓ **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.
- ✓ **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.



## General

<b>Net Weight (g)</b>	240
<b>Packed Width (mm)</b>	135
<b>Packed Height (mm)</b>	85
<b>Packed Depth (mm)</b>	140
<b>Packed Weight (g)</b>	310
<b>Operating Temperature °C Min</b>	0
<b>Operating Temperature °C Max</b>	60
<b>Storage Temperature °C Min</b>	-30
<b>Storage Temperature °C Max</b>	60
<b>Power Consumption (W)</b>	127
<b>Input Voltage (V)</b>	For DC: 12 .. 36 VDC $\pm 10\%$ , Max: 250 mA For AC: 24 VAC $\pm 10\%$ , 50-60 Hz, Max: 127 mA Recommended voltage: 24 VDC, Max: 127 mA
<b>Power Connector</b>	3-pole
<b>Configuration</b>	Intesis MAPS
<b>Capacity</b>	Up to 64 indoor units and up to 64 outdoor units.
<b>Installation Conditions</b>	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.
<b>Content of Delivery</b>	Intesis Gateway and Installation Manual.
<b>Not Included (in delivery)</b>	Power supply and USB cable not included.
<b>Mounting</b>	DIN rail mount (bracket included), Wall mount
<b>Housing Materials</b>	Plastic



## General

Packaging Material	Cardboard
Warranty (years)	3 years

## Identification and Status

Product ID	IN770AIR00MO000_KNX_YRK
Country of Origin	Spain
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

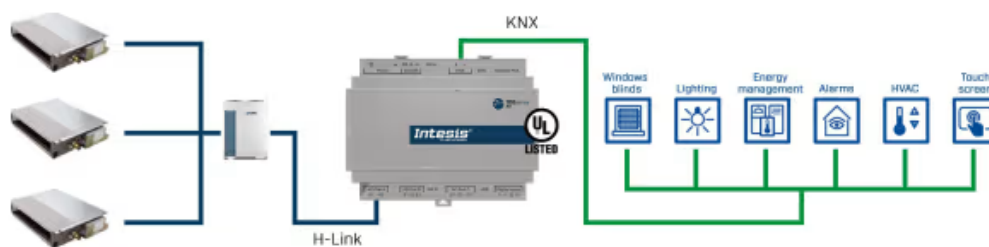
Connectors / Input / Output	Power supply, EIA-485, KNX, Ethernet, HVAC port, Binary inputs (dry contact), Console port USB.
LED Indicators	Gateway and communication status.
Push Buttons	Factory reset. I-Am message (for BACnet only). Normal mode/programming mode switch (for KNX only).
DIP & Rotary Switches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

## Certifications and Standards

ETIM Classification	EC001604
CE	Yes
CB	Yes
UKCA	Yes
UKPSTI	Yes
UL	Yes
WEEE Category	IT and telecommunications equipment



## Use Case



Integration example.



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