



Hitachi VRF systems to Modbus TCP/RTU Application

The Hitachi Application has been specially designed to allow bidirectional control and monitoring of Hitachi VRF systems from a BMS, SCADA, PLC or any other device working as a Modbus Master. The solution allows the integration of up to 64 indoor units from a single Interface.

FEATURES

UL Listed.

Direct access to outdoor unit's communication bus.

Scan: Automatic identification of the units presents on the VRF system.

Energy consumption signals from each indoor unit are available.

Outdoor unit's signals available for the integration.

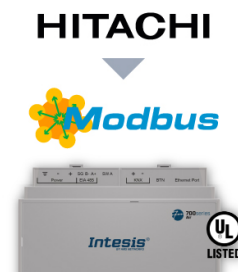
The interface is a Modbus slave able to manage Modbus TCP and Modbus RTU simultaneously.

Up to 6 TCP clients (incoming sockets) are supported.

Configuration through IP or USB (Console) port.

Easy integration with Intesis MAPS.

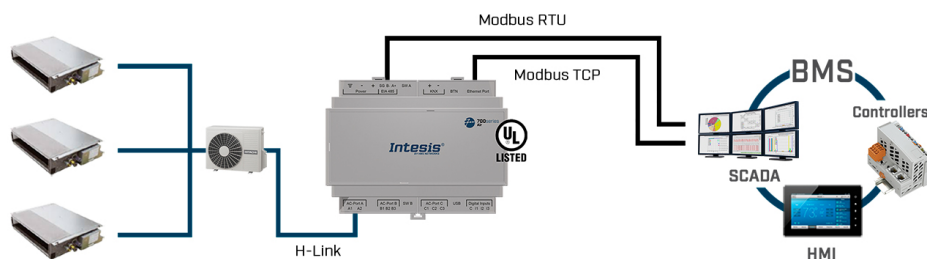
Automatic updates for both Intesis MAPS and interface's firmware.



Use Case

Integration of Hitachi VRF Air Conditioner units into a Modbus installation

HITACHI



Description

DIRECT CONNECTION TO VRF OUTDOOR UNITS

The gateway is directly connected to the outdoor unit's communication bus and enables the control of all the indoor units connected to the system. This allows not only the control and monitoring of the main AC functions but the access to some internal variables of the outdoor units.

SET UP BY INTESIS MAPS

The configuration is carried out using the Intesis MAPS software. This one allows you to define your own settings for the device and offers extra functions available for all the new generation gateways. Thanks to the scan function, which allows to automatically discover all the units available in

the installation, get the interface ready to work in a really short time.

Intesis MAPS makes it easy to identify any malfunction in the installations thanks to its robust diagnostic feature.

Technical Documentation

User Manual	General information about this product	Download
Installation Manual	Learn how to install the device in your project	Download
Application Wiring Diagram	Review your specific application wiring diagram	Download
HVAC Compatibility tool	Find the appropriate solution for your HVAC integration	Open
EC Declaration of Conformity	Check the product certification	Download
UKCA Certification	Check the product UKCA Certification	Download
Recommendations to avoid polarity issues	How to avoid polarity issues in RS485 Networks	Learn more

Programming Tools

Intesis MAPS	Get access to download the configuration software tool	Download
Intesis MAPS User Manual	General information about Intesis MAPS	Download
eLearning course	Learn the secrets of Intesis MAPS	Enroll now

Commercial Documentation

Marketing Datasheet	Discover all the integration solutions for Hitachi	Download
Intesis Brochure	Know more about the Intesis current available products	Download

File	Version	Size	Read online
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ORDER CODES:

IN770AIR00SO000	Intesis multi-brand AC interface with KNX, Serial and IP support - Up to 16 Indoor Units, 64 Outdoor Units
IN770AIR00MO000	Intesis multi-brand AC interface with KNX, Serial and IP support - Up to 64 Indoor Units, 64 Outdoor Units

The order code can differ depending on the product seller and the buyer's location.

→ For the older version, please click here to find the documentation

INCLUDED COMPONENTS:

- Intesis Gateway.
- Installation Manual.
- USB Configuration cable.

(Power supply not included).

Warranty: 36 months.

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