

Bosch Commercial & VRF systems to Modbus RTU Interface

Item number: INMBSACA008I000

The Bosch-Modbus gateway allowed bidirectional communication between Bosch Commercial and VRF systems and Modbus RTU (RS-485) networks, bringing total control and supervision of the AC unit through its internal variables. Please refer to the new product reference for further details.



Replaced by: IN770AIR00S0000

Features and benefits

- ✓ **Modbus RTU (EIA-485) server device**
The interface acts as a Modbus server device through its Modbus RTU (EIA-485 connector) port.
- ✓ **Energy savings through a window contact function**
This function helps minimize costs, as HVAC systems are a major building energy consumer.
- ✓ **AC unit control by remote and Modbus RTU**
The AC unit can be simultaneously controlled by the manufacturer's remote controller and Modbus RTU.
- ✓ **Multiple mounting options**
Mounting options include DIN rail, wall, or, in some AC models, even inside the indoor unit.
- ✓ **Dual configuration options**
Configuration is carried out through the interface's onboard DIP switches and the Modbus interface.
- ✓ **Total unit control and monitoring from Modbus RTU**
Through internal variables, running hours counter (for maintenance purposes), and error indication.
- ✓ **Quick and easy installation**
The installation process takes only seconds; just plug in the interface and set up the DIP switches.
- ✓ **Reduced dimensions**
The interface has a really small footprint.

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| General | |
|------------------------------|--|
| Net Width (mm) | 53 |
| Net Height (mm) | 58 |
| Net Depth (mm) | 93 |
| Net Weight (g) | 90 |
| Packed Width (mm) | 64 |
| Packed Height (mm) | 92 |
| Packed Depth (mm) | 120 |
| Packed Weight (g) | 130 |
| Operating Temperature °C Min | 0 |
| Operating Temperature °C Max | 60 |
| Capacity | Up to 8 indoor units. |
| 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. |
| Mounting | DIN rail mount (bracket included), Wall mount |
| Housing Materials | Plastic |
| Warranty (years) | 3 years |
| Packaging Material | Cardboard |

| Identification and Status | |
|---------------------------|-------------------------|
| Product ID | INMBSACA008I000 |
| Successor | IN770AIR00SO000_MBS_BOS |

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Identification and Status

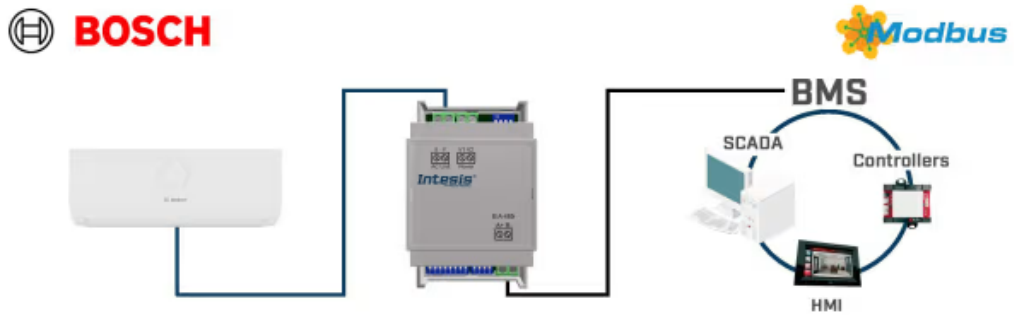
| | |
|---|------------------------|
| Country of Origin | Spain |
| HS Code | 8517620000 |
| Export Control Classification Number (ECCN) | EAR99 |
| Supply Risk Factor ERP | Volume not defined yet |
| Purchasing Multiple ERP | 1 |

Certifications and Standards

| | |
|---------------------|-------------------------------------|
| ETIM Classification | EC001604 |
| WEEE Category | IT and telecommunications equipment |



Use Case



Integration example.