Bosch Commercial & VRF systems to Modbus RTU Interface



Item number: INMBSACA004I000

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: IN770AIRXXSO000

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.

Bosch Commercial & VRF systems to Modbus RTU Interface



General

Capacity	XXS: Up to 4 indoor units
Net Width (mm)	53
Net Height (mm)	93
Net Depth (mm)	58
Net Weight (g)	194
Packed Width (mm)	135
Packed Height (mm)	85
Packed Depth (mm)	100
Packed Weight (g)	356
Operating Temperature °C Min	0º
Operating Temperature °C Max	60º
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	INMBSACA004I000
Successor	IN770AIRXXSO000_MBS_BOS

Bosch Commercial & VRF systems to Modbus RTU Interface



Identification and Status

Country of Origin	Spain
HS Code	8517620000
Dual Usage	No

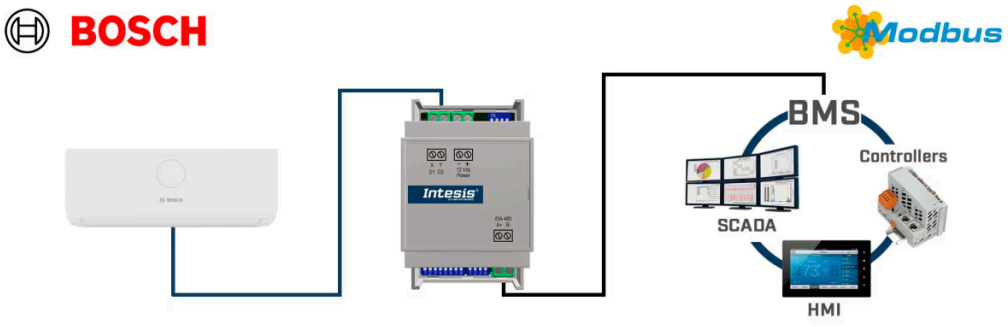
Physical Features

Contains Battery	No

Certifications and Standards

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

Use Case



Integration example.