

AirGate-Modbus is a wireless multifunctional gateway that allows the transparent and easy insertion of wireless branches into existing wired RS485 networks. The AirGate-Modbus has four operation modes, Modbus Master, multiplexer, USB RS485 converter and simple wireless RS485 extension. A proprietary protocol based on IEEE 802.15.4 facilitates operation in star mode, allowing the connection of several wireless segments to an existing Modbus RS-485 network.

Specification

Characteristic

- up to 16 operating channels
- range up to 1000 m
- RF data rate up to 250 Kbps
- operating band ISM 2.4 GHz (IEEE 802.15.4)
- AES-CBC-128 data cryptography
- star network topology operation
- DIN TS-35 mountable enclosure
- IP20 enclosure
- power consumption: 70 mA
- antenna gain 2 dBi
- USB device (mini-B)

Work mode

- RS485-Master
- RS485-Slave
- USB-Master
- Multi-Master

Power supply

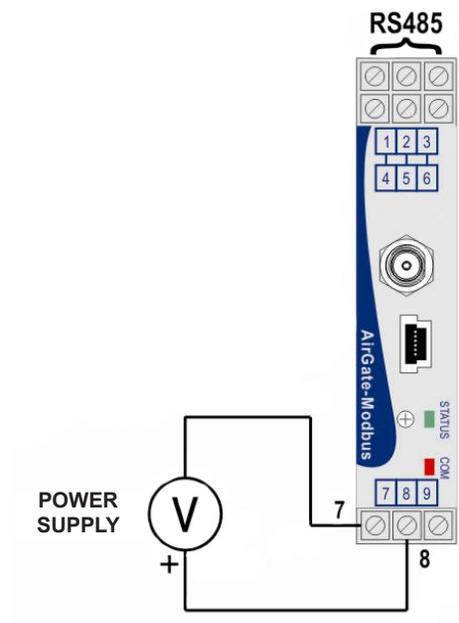
10÷35V DC

Dimensions [mm]

114x99,5x17,5

Operating conditions

- temperature: 0÷70°C
- humidity: from 80% to 30%



Ordering example:

AirGate-Modbus