

LORA-225

RS485 LoRa Module



VIEW & BUY
ONLINE



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1 PRODUCT OVERVIEW



The **OBM-LORA-225** is a DIN rail RS-485 long range wireless transceiver, the product allows users to connect RS485 Modbus RTU devices over distances where it is impractical or impossible to run data cables.

The modules can connect to multiple devices and multiple transceiver modules.

The product uses LoRa Radio mode and LoRaPMAC communication protocols, and provides special optimisation for wireless ModBus meter reading. Support BLE near-field wireless connection, using debugging tools can be convenient for parameter configuration and operation.

SUPPORTED SERIAL PORT SETTINGS:

Baud Rate: 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
Parity: Even, Odd or None
Stop Bits: 1 or 2

2 BASIC FUNCTIONS

- Frontal and fixed voltage: L + N / 220V AC
(Maximum input 456 V AC cannot damage hardware)
- Power consumption: < 5 W
- Operating frequency: 50Hz/60 Hz
- 2-way interactive buttons
- Wireless communication: BLE open visual distance communication 10m
- Wired communication: 1 RS-485, maximum length of communication cable 1000m
- Frequency range: 410 MHz ~ 960MHz
- Transmission power: Maximum+22dBm
- Receiving Sensitivity: -135dBm (SF10@BW125KHz)

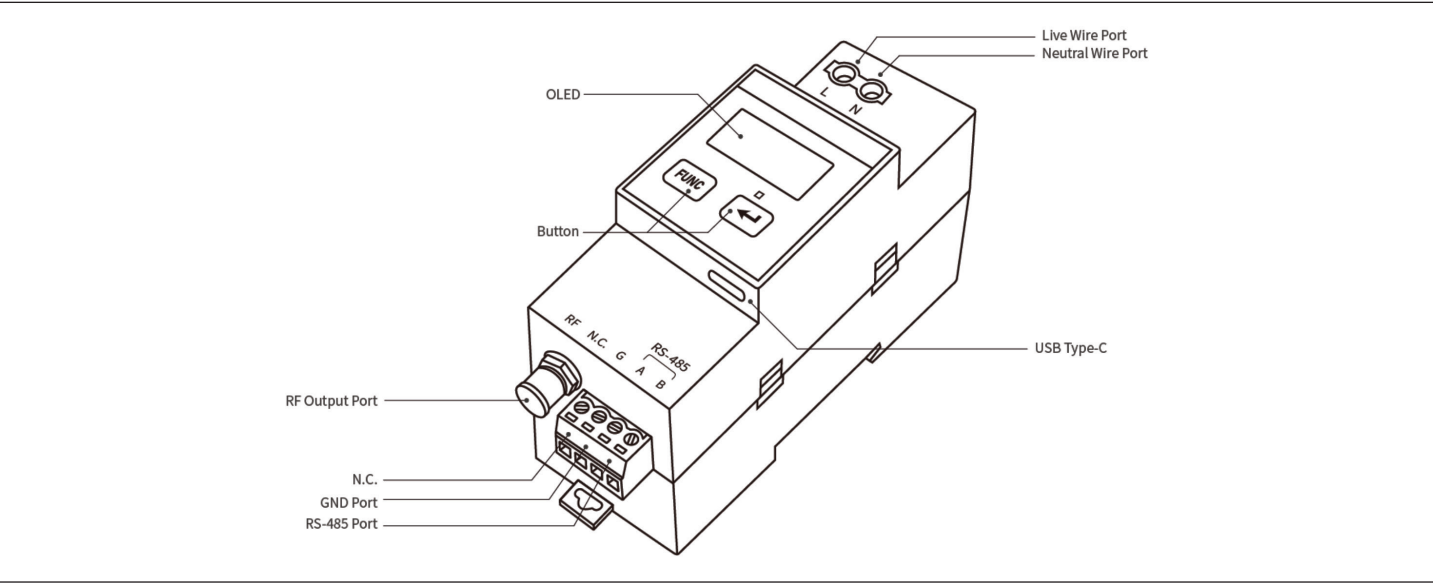
3 ENVIRONMENTAL PARAMETERS

- Working temperature: -10 °C ~ + 55 °C (limit: -25 ~ + 60 °C)
- Storage temperature: -30 °C ~ + 60 °C
- Relative humidity: 5% ~ 95% RH, no condensation
- Altitude: ≤ 2000 m

4 APPLICATION ENVIRONMENT



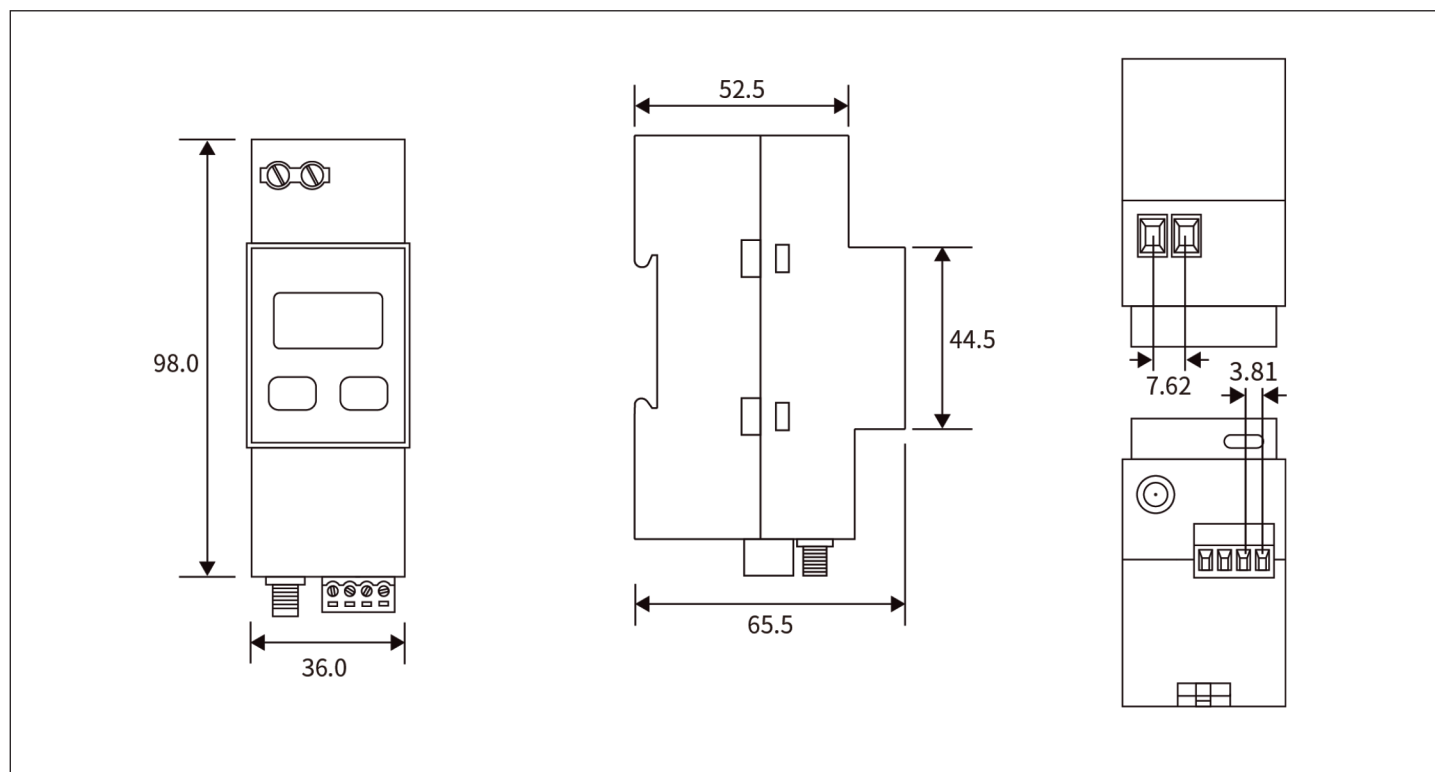
5 HARDWARE INTERFACE



PORT NAME	FUNCTION EXPLANATION	PORT NAME	FUNCTION EXPLANATION
L	Live line	N.C.	Manufacturer's Reservation
N	Neutral line	G	GND interface
-	-	A	RS-485 A
-	-	B	RS-485 B

6 MECHANICAL DIMENSIONS

Unit: mm, tolerance: ± 0.2 mm.



7 TECHNICAL SUPPORT

Technical Support/Sales:

Tel: +00 44 1616246211

Email: SUPPORT: support@owen-brothers.com
SALES: sales@owen-brothers.com

www.owen-brothers.com