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Metal-cased rail-mounted wireless temperature measurement system KS30R-LORA Repeater instruction Manual





I、Product overview

The KS30R-LORA rail-mounted wireless temperature measurement repeater is a wireless signal amplifier device. The repeater can receive and forward information from the temperature sensor and temperature measurement host that are matched with it, and it is the signal network route between the wireless temperature sensor and the temperature measurement host.

II、Main functions:

Main functions	Function introduction
Signal amplification	Receive sensor data and amplify the signal to the receiving host.
All detected data is wirelessly uploaded to the receiving host.	

III、Product technical parameters

3.1 Technical parameters

Technical parameters		Technical indicators
Usage Environment	Ambient temperature	-25℃ ~ +85℃
	Ambient humidity	≤95%
	Atmospheric pressure	80 ~ 110KPa
	Altitude	≤2500 meters
Working power supply	Power supply	AC220V
Wireless frequency band		433-510 MHz band, outdoor sensors 470 MHz band



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Transmission distance		200 meters open
Communication methods		TTL
		RS485
Default communication parameters	Baud rate	9600Bps
	Data bits	8-bit
	Stop bit	0th
	Verification method	none
Communication protocol		Standard MODBUS protocol (customizable)
Installation method		Guide rail installation, screw installation
Antenna length		The default cable length is 1.5 meters, but can be customized as needed.

3.2 Terminal block numbering diagram



Figure 1. Terminal block number diagram

Serial number	A 2	B2	A1	B1	PE	RL2	RL1
Chinese instructions	485 output		485 output		Relay output		
Serial number	L		PE		N		
Chinese instructions	Power input						



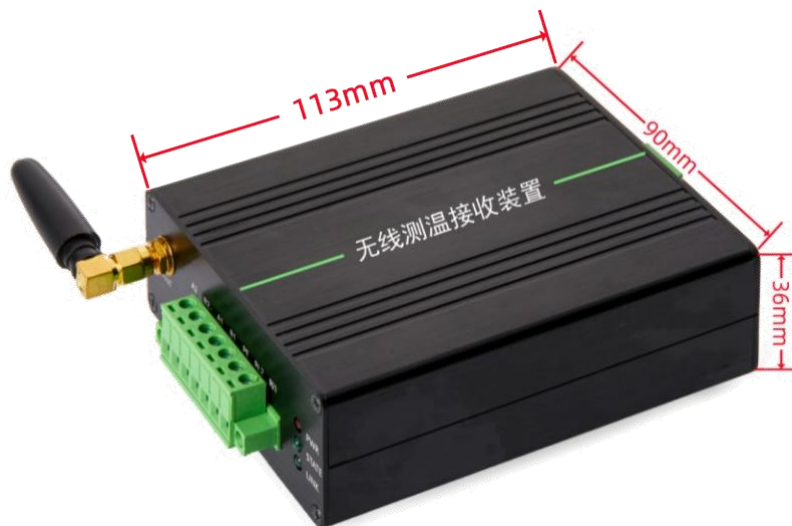
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3.3 Opening dimensions



IV、Precautions

Precautions	
1	The input power supply range is AC220V.
2	Strictly follow the terminal number sequence when wiring. If the module does not have a constantly lit LED after wiring and powering on, please unplug it immediately and check if the wiring is correct.



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V、Contact Us



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