RENAC

RT -WIFI-AC User Manual

Product introduction

Thanks for using RT-WIFI. This product is an intelligent data collector, which is responsible for collecting the working data of PV inverters and uploading it to the cloud.

Product characteristics

- Remote firmware upgrading
- Online Diagnostics
- LED indication
- DIN-Rail Mounting
- AC：90-528V ; DC : 100-745V

Product appearance

Packing list

No.	Name	Quantity
1	4 pin terminal	1
2	A ntenna	1
3	RT-WIFI	1
4	User manual	1

Note: The packing list contains the above attachments. If there is any missing, please contact the distributor.
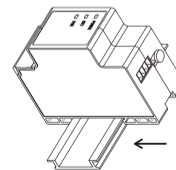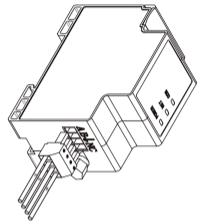
Installation

Before wiring, make sure that the power supply is disconnected, otherwise electric shock may easily occur. Please install it by personnel with professional qualification certificate to avoid electric shock.

Module installation

Install the 35mm guide rail on the wall or in the distribution box.Then pull out the snap of the module.Then clip the module onto the guide rail. Insert the snap into the original position to fix the module.
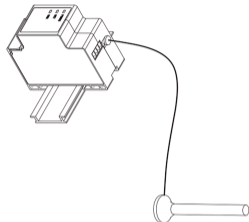
Communication wiring

A: 485 +   B: 485 -
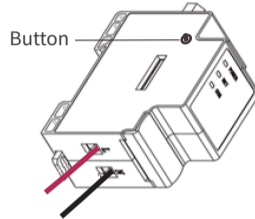⏚: Ground wire   ⊽: GPRS antenna
NC: Not connected

Note: If the module needs to communicate with the RS422 interface, it is necessary to short circuit the RX+(RX A) and TX+(TX A) of RS422, RX - (RX B) and TX - (TX B), and then connect them to the A and B lines respectively.

Installing antenna

Note: Prevent L and N lines from short circuit during wiring.

Power on the module

Button

Before turning on the power switch, make sure that the wiring is correct. When the module works normally, the 485 light is always on and flashes during communication.

System diagram

Users can download Android or IOS APP through the following QR code and then install it.

Android & iOS

After installation, create user accounts and power stations according to the APP operation prompts.

WIFI Setting

Press the button on the side for 1 ~ 2 seconds (do not press for more than 5 seconds) to start the WIFI configuration when the module's indicator LED is bright yellow and flashing.

Indicator Description

POWER (Red light)	NET (Green light)	COM (Yellow light)	Status
OFF	OFF	OFF	Power failure
ON	ON	OFF	Power on, but not connected to the WiFi network
ON	ON	Flash	Configure WIFI network mode
ON	ON	ON	The module works normally
ON	Flash	ON	Data interaction with the server