Single-phase Remote Control Meter (WiFi) Quick Guide
Model: DDZY422-D2-W

1、Product Introduction

Single-phase Remote Control Meter (WiFi) (DDZY422-D2-W) is applied for energy management purpose, and it works to measure and control electricity consumption of PV system, power system, construction industry and etc,. A real-time, accurate and quick measurement of voltage, current, active power, frequency, power factor, positive/negative active energy and etc, has been realized.

2、Parameters

	Parameter	Value
Communication	Wireless Type	WiFi
	Working Frequency	2.412GHz~2.484GHz
	Local COM	RS485
	Serial Parameter	Address 001、9600bps、E、8、1
	Data Interval	5 mins
Meter	Rated Voltage	AC 230V 5(60)A 50/60Hz
	Power Range	0～999999.99kWh
	Accuracy Class	1.0
	Consumption	≤3.5W
Environment	Working Temperature	-30℃～+70℃
	Relative Humidity	≤85%(No condensation), Altitude<3000m
	Atmospheric Pressure	70kPa～106kPa
	Transportation & Storage	Temperature: -40℃～85℃, Relative Humidity≤85%

3、Display

3.1 Display Panel (Note: "*" represents single number, "#" represents "-".)

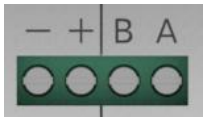
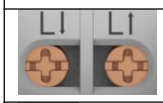
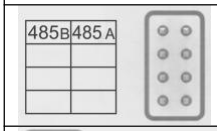
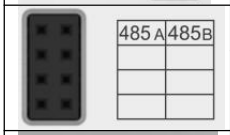
Flip-screen Mode: Auto-flip in 2s/Click to flip the screen.

No.	Content	Display Form	Unit	No.	Content	Display Form	Unit
1	Positive Active Total Energy (High 4-bit)	****	kWh	5	Current	L #**	A
2	Positive Active Total Energy (Low 4-bit)(Two decimal)	**.**	kWh	6	Power	P #**	kW
3	MODBUS COM Address	A ***		7	Power Factor	PF *.*	
4	Voltage	U ***	V	8	Frequency	F **.*	

3.2 Display of Positive Active Total Energy (4-bit liquid crystal,2 decimal)

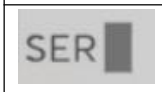
Data is less than 99.99, E,g. "68.52":	Data is greater than 99.99, E.g. "220968.52":
	

4、Interface Instruction

		Switch	Close: Press for 3s Open: Press for 3s
	B	RS485 A Receive&Send Data	Address 001、9600bps、E、8、1
	A	RS485 B Receive&Send Data	
	+	Pulse Port	Calibration Interface
	−	Pulse Port	
	L↓	L-Line In	L-line Interface
	L↑	L-Line Out	
	N	N-Line In&Out	N-Line Interface
	485B	RS485 B Receive&Send Data	Address 001、9600bps、E、8、1
	485A	RS485 A Receive&Send Data	
	Pin1	RS485 A Receive&Send Data	Address 001、9600bps、E、8、1
	Pin2	RS485 B Receive&Send Data	
		Reset button	Restart(5s)/Reset(10s)

Notice: RS485A, RS485B of Pin,Female Header are directly connected.

5、Indicator Lights

Indication	Identification	Status
	ON/OFF Switch (Green)	1.On: Close 2.Off: Open
	Energy Light (Red)	1.Flash: According to consumption status. (1200 times means 1kWh)
	Communication status between meter and WiFi module (Green)	1.On: Connected to meter. 2.On 400ms/Off 400ms: Data transmitting. 3.Off: Fail to communicate with to meter.
	Communication status between logger and server (Green)	1.On: Connected to server. 2.On 400ms/Off 400ms: Connected to router, not connected to server. 3.Off:Fail to connect to router.
	Running Status (Green)	1.On 64ms/Off 2000ms: WiFi module runs normally. 2.On/Off: WiFi module runs abnormally.

6. Installation Diagram

Installation Position: Grid Side