SOLARMAN
Monitored Analyzed Networked

Single-Phase Meter (DIN-Rail)

Product Model:

DDS122-D

Contact

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Introduction

Single-Phase Meter (DDS122-D) is applied for energy management purpose, and it works to measure and control electricity consumption of PV system, power system, construction industry, communication industry and etc,. It is mainly used in measuring and displaying single-phase voltage, single-phase current, active/reactive power, frequency, power factor, active energy data and etc,.

RS485 com interface can realize the networking with data logger.

Standard 35mm DIN-Rail mount features in compact size and easy to install.

DDS122-D can be widely used in power monitoring in enterprise, PV plant, hotel, school and government organization.

Feature

1. Measure consumption data of single circuit for power system;
2. Standard 35mmDIN-Rail, width: 18mm, easy to install;
3. RS485 com interface, compatible with multiple stick logger;
4. It can connect multiple meters, and realize address setup respectively.

Basic Parameter

Parameter	Parameter
Wiring Method	Single-Phase
Rated Voltage	AC 85V ~ 265V
Current	5(40)A
Rated Frequency	50Hz/60Hz
Accuracy Class	Active 1.0
Start-upConsumption	≤0.004Ib
	≤0.5W
Pulse Constant	1600
Display	LCD
Working Temperature	-25℃ ~ +60℃
Relative Humidity	≤95% (No condensation)
Air Pressure	63kPa ~ 106kPa
Communication	RS485 (Address: 001; Default baud rate: 4800bps, E, 8, 1)

Display

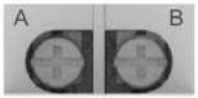
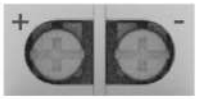
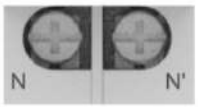
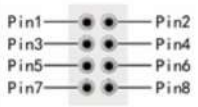
Display panel

Default: 2 decimal places. If the data exceeds 99999.99, the data will recalculate. Example: 20234.56kWh.

No.	Content	Display	Display
1	Voltage	U ***.*	U ***.*
2	Current	L ***.*	L ***.*
3	Power	P ***.*	P ***.*
4	Power Factor	PF ***.*	PF ***.*
5	Frequency	F ***.*	F ***.*
6	Positive Active Power	******.*	******.*

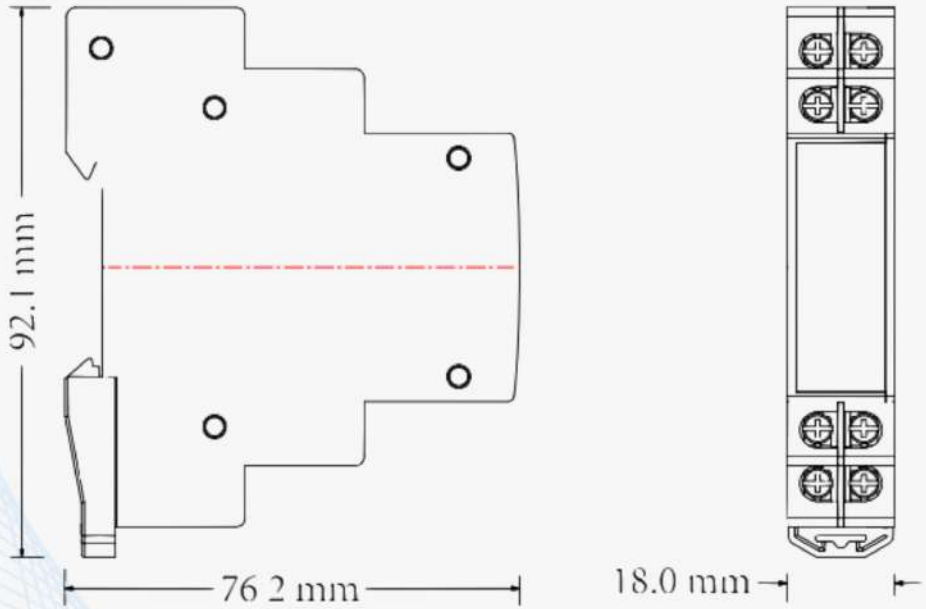
Note：* represents a number

Interface Identification

Picture	Name	Instruction	Note
	RS485A	RS485 A Receiving&Sending Data	Address: 001; Default baud rate: 4800bps, E, 8, 1)
	RS485B	RS485 B Receiving&Sending Data	
	+	Pulse	Meter calibration interface
	-	Pulse	
	L	L-line In	L-line interface
	L'	L-line Out	
	N	N-line In	N-line interface
	N'	N-line Out	
	PIN1	——	
	PIN2	——	
	PIN3	RxD Receiving Data	Address: 001; Default baud rate: 4800bps, E, 8, 1)
	PIN4	TxD Sending Data	
	PIN5	GND	Power: GND
	PIN6		
	PIN7	DC_VIN	Power output: DC 5V 350mA
	PIN8		

Note：Data interface of Pin, female head RxD, TxD are direct through.

Product Size
(Unit: mm, Accuracy: 2%)



Product Picture

Front View

Right View

Left View