



Carrel Electrade Ltd

DDS-1Y-36L-80A-M kWhr meter

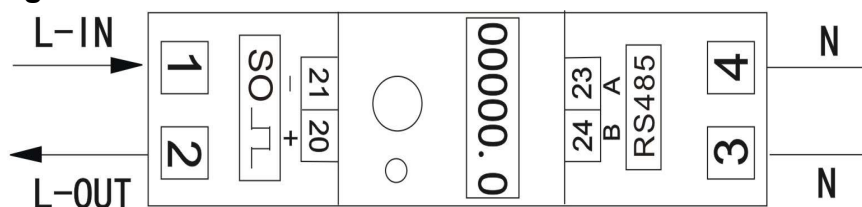
INSTRUCTIONS

**STATIC SINGLE-PHASE TWO MODULES DIN-RAIL WATT-HOUR METER
WITH RS485, MODBUS**

I. Impulse Indication

The CF impulse indication is located at the right side under the window. The impulse indication can flash in the form of different frequency according the current energy from the user.

II. Wiring diagram



III. Communication

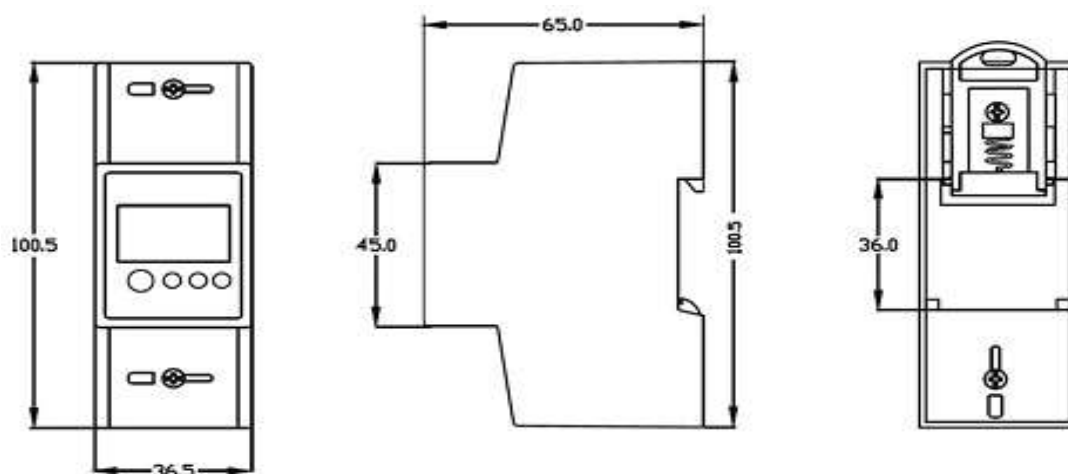
Communicating with PC through RS485 MODBUS protocol- RTU mode

IV. Technical Characteristic

Operating Voltage	230V
Rated Current	5(80)A
Impulse Constant	1000imp/kWh
Frequency	50-60Hz
Accuracy	1.0
Display	LCD 5+1
Operating Temperature	-20—55°C
Storage Temperature	0—40°C

Power Consumption	$\leq 1W, 7VA$
Average humidity value of year	$\leq 75\%$
Start Current	0.4 %IB
Baud rate	9600 (Optional)
Relay current	80A

V. Dimension



VI. Standard

DIN-Rail: DIN46277/3 EN50022

Performance Test: IEC 62052-11 2003, IEC62053-21 2003

Impulse Output: IEC 62053-31 1998

VII. Transportation and handling

1. The meter shall not be subjected to throwing, dropping, kicking or other physical abuse, as there are high precision components inside that will break or make the meter measure in accurately. The process of transportation, handling and installation should be according to transportation and storage rule of GB/T15464-1995.
2. Keep the meter in the original package when stored. The storage temperature range should be 0—40°C, relative humidity $\leq 85\%$. There should be no toxic or corrosive substance or gases in the air.
3. The meters shall be stacked on the platform in storage. Don't stack more than 10 units high.
4. Time limit of guarantee.

Within 18 months from the day of sale, and on the condition that the users abide by the specifications and installation procedures, and the sealing is kept completely intact. If the meter does not correspond with the rule of the enterprise standard, the meter shall be repaired free or replaced.