

KWH METER

DDS238-2 ZN/S

single phase din rail type multi-function energy meter



DESCRIPTION / APPLICATION

The meter is designed to measure single phase two wire AC active energy variable parameter like residential, utility and industrial application. It has remote read communication port RS485. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

Basic Function

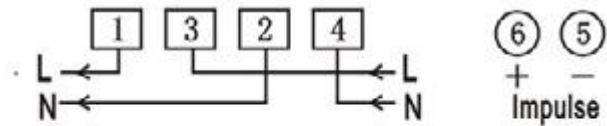
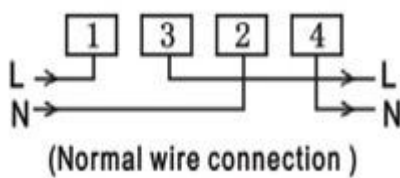
1. LCD display with backlight, keypad for LCD display step by step;
2. Bi-directional total active energy, reverse active energy measure in the total active energy ;
3. The meter also display real voltage, current, active power, reactive power, power factor, frequency, import active energy, export active energy, reset table interval energy;
4. RS485 communication port, MODBUS-RTU protocol;
5. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
6. Energy data can store in memory chip more than 15 years after power off;
7. 35mm din rail installation.

MAIN TECHNICAL DATA

Rate voltage AC	110V,120V,220V,230,240V (0.8~1.2Un)		
Rate Current / Frequency	5(65)A, 10(100)A / 50Hz or 60Hz±10%		
Communication port	RS485 port, baud rate 1200~9600 bps, default is 9600bps, address 1~247, None parity, stop bits 1, data bits 8.		
Connection mode	Direct type	Accuracy class	1% or 0.5%
Power consumption	<1W/10VA	Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60s	Over current withstand	30I _{max} for 0.01s
IP grade	IP20	Executive standard	IEC62053-21 DIN 43880
Work temperature	-25°C ~70°C	Pulse output	Passive pulse, 80±5 ms

DIMENSIONS AND MOUNTING

Wire connection



Note: If reverse wire connection as photo 2, the total energy still can measure

Outline dimension

