

DDS238-4 ZN (D1405)

single phase din rail type multi-function energy meter

HIKING
Smart meter for IoT



D1405

The meter is designed to measure single phase two wire AC active energy with time of use(TOU) function(the power flow of sharp time, peak time, flat time and off-peak time) and variable parameter, it can use for 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.

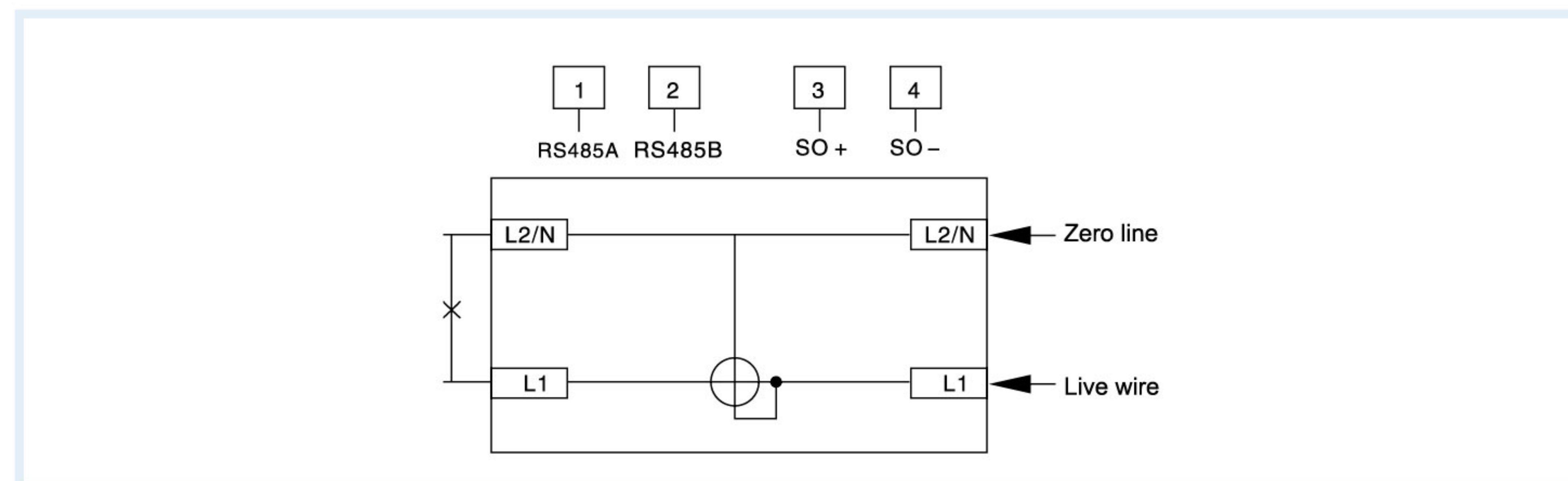
Basic Function

- LCD display with blue backlight , Keypad for LCD display step by step
- Bi-directional total active energy, reverse active energy measure in the total active energy
- The meter also display real voltage, current, active power, reactive power , power factor, frequency, import active energy, export active energy, resettable interval energy
- The meter has 4 kinds of tariff defined as sharp, peak, flat and off-peak. The meter can be programmed as single tariff, double tariff and three tariff or four tariff.
- The meter has 14 programmable interval tables, of which can set up to 14 intervals as four tariff during 24 hours, the minimum units of each tariff interval can be set up as 1 minute
- Energy frozen monthly(last 12 months), all data store for 15 years at power failure
- RS485 communication port, MODBUS-RTU protocol
- Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- 35mm din rail installation

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 \pm 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	30Imax for 0.01s
IP grade	IP20	Executive standard	IEC62053-21 DIN 43880
Work temperature	-25 $^{\circ}$ C ~70 $^{\circ}$ C	Pulse output	Passive pulse, 80 \pm 5 ms

Wire connection



Outline dimension

