AC DIN RAIL METER
INSTRUCTION MANUAL
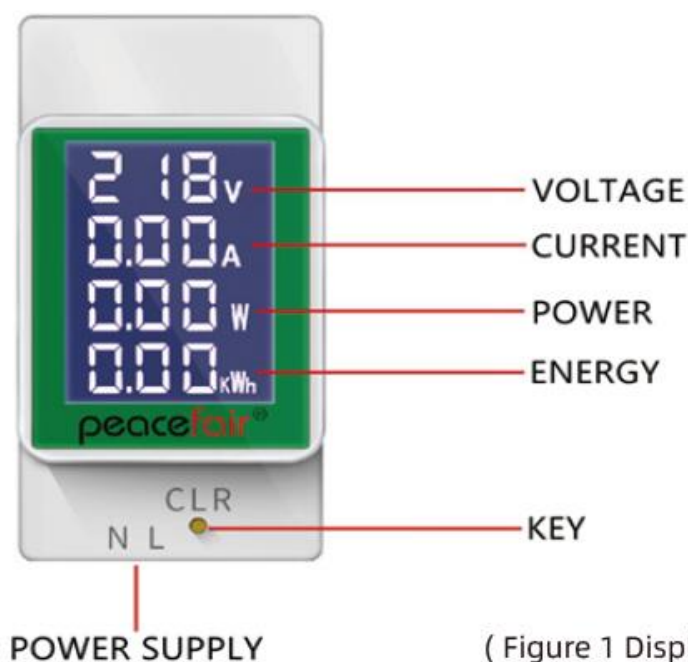
MODEL: PZEM-008

A. Function

Measure AC voltage, current, active power, energy and display with LCD.

B. Display

I. Display interface

BTN wide viewing angle LCD: voltage + current + active power + energy + white backlight(see Figure 1)

(Figure 1 Display Diagram)

- VOLTAGE
- CURRENT
- POWER
- ENERGY
- KEY
- POWER SUPPLY

II. Display Instruction

1.Voltage

Measurement range: AC50 ~ 300V   Starting test voltage: 50V
Accuracy: ±1%

2.Current

Measurement range:0 ~ 100A
Starting test current:0.02A
Accuracy: ±1%

Display format:
< 10Adisplay such as: 9.99A
< 100Adisplay such as: 99.9A

3.Active Power

Measurement range:0 ~ 30kW
Display format: < 10Wdisplay such as: 9.99W
< 100Wdisplay such as: 99.9W
< 1000Wdisplay such as: 999W
< 10000Wdisplay such as: 9.99kW
≥10000W display such as: 30.0kW
Starting test power:0.5W
Accuracy: ±1%

4.Energy

Measurement range:0 ~ 1999kWh
Display format: < 10kWh   display such as: 9.99kWh
< 100kWh   display such as: 99.9kWh
< 1000kWh display such as: 999kWh
< 10000kWh display such as: 1999kWh
Over the test range will maintain the data, otherwise you reset it.
Accuracy: ±1%

C.   Other Function

1.Backlight control
The backlight can be turned on or off by short press the key
2.Reset energy
Long press the key over 3 seconds until the energy data flash, then release the key, short press the key again to reset the energy, otherwise after 3 seconds it will stop flashing and the energy will not be reset. (See figure 1)
3.Data Storage
When the power off, the energy data and backlight status can be saved.
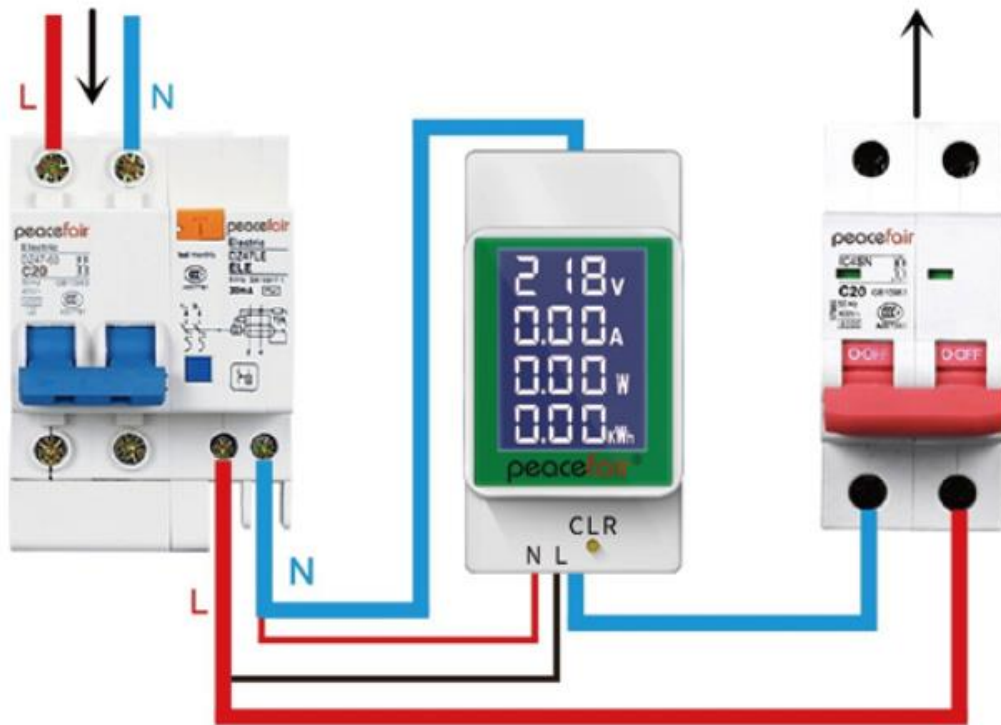
E. Wiring Diagram

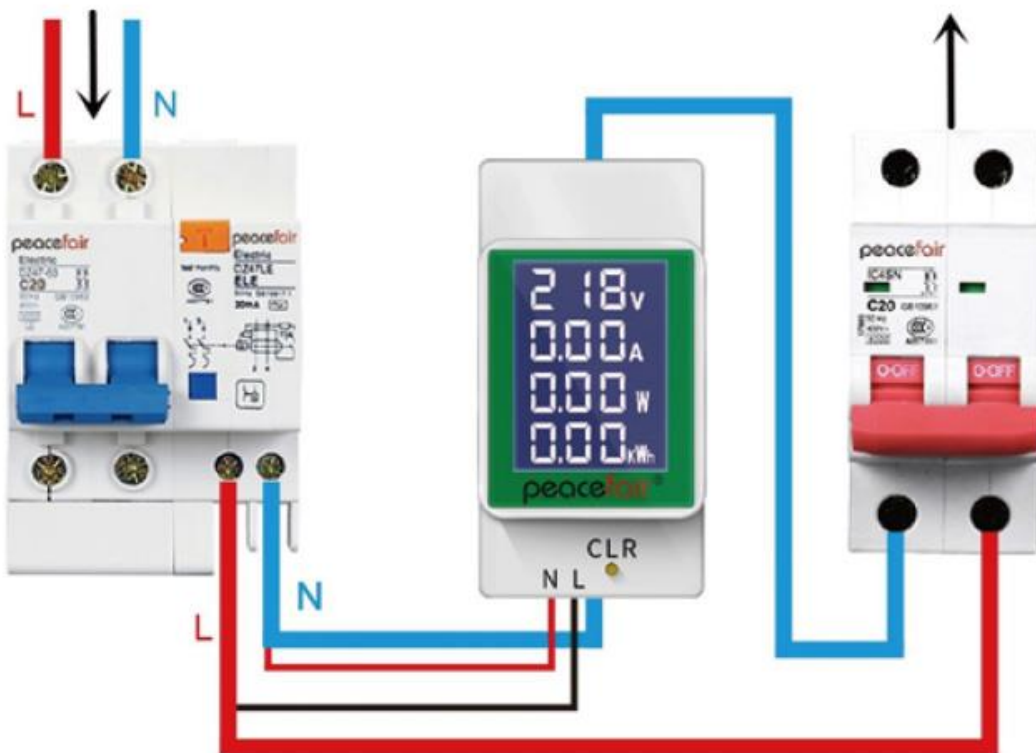Figure 3 Wiring Diagram(Up in and down out / no need to distinguish N or L)

Figure 4 Wiring Diagram(down in and up out / no need to distinguish N or L)

Function	Test Range	Display Format	Starting measurement	Accuracy
Current	0-100A	＜10A display such as：9.99A ＜100A display such as：99.9A	0.02A	±1%
Voltage	AC50～300V		50V	±1%
Active Power	0～30kW	＜10W display such as：9.99W ＜100W display such as：99.9W ＜1000W display such as：999W ＜10000W display such as：9.99kW ≥10000W display such as：30.0kW	0.5W	±1%
Energy	0～1999kWh	＜10kWh display such as：9.99kWh ＜100kWh display such as：99.9kWh ＜1000kWh display such as：999kWh ＜10000kWh display such as：1999kWh Over the test range will maintain the data, otherwise you reset it.		±1%