

**Single phase electronic measuring module**

**DDS-LDG**

**instruction  
for  
use**



## 1. Overview

DDS-LDG is the latest product of our factory, which is used to measure the rated frequency of 50 Hz, Rated voltage 220 V single phase AC active power.

- ◎ The product adopts the special large scale integrated circuit and SMT technology to ensure the accuracy and reliability of measurement.
- ◎ Accumulated value of electric energy quoted by power failure
- ◎ 5 + 1-bit wide temperature LCD display.
- ◎ 35mm standard guide rail installation mode.
- ◎ The power consumption of the whole machine is less than 2W/5VA.
- ◎ Manual reset function (optional)
- ◎ Backlight display (optional)

## 2. Specifications

Product name	type	voltage	electric current	accuracy
DDS-LDG	Direct access	220V	5(60)A	1.01level

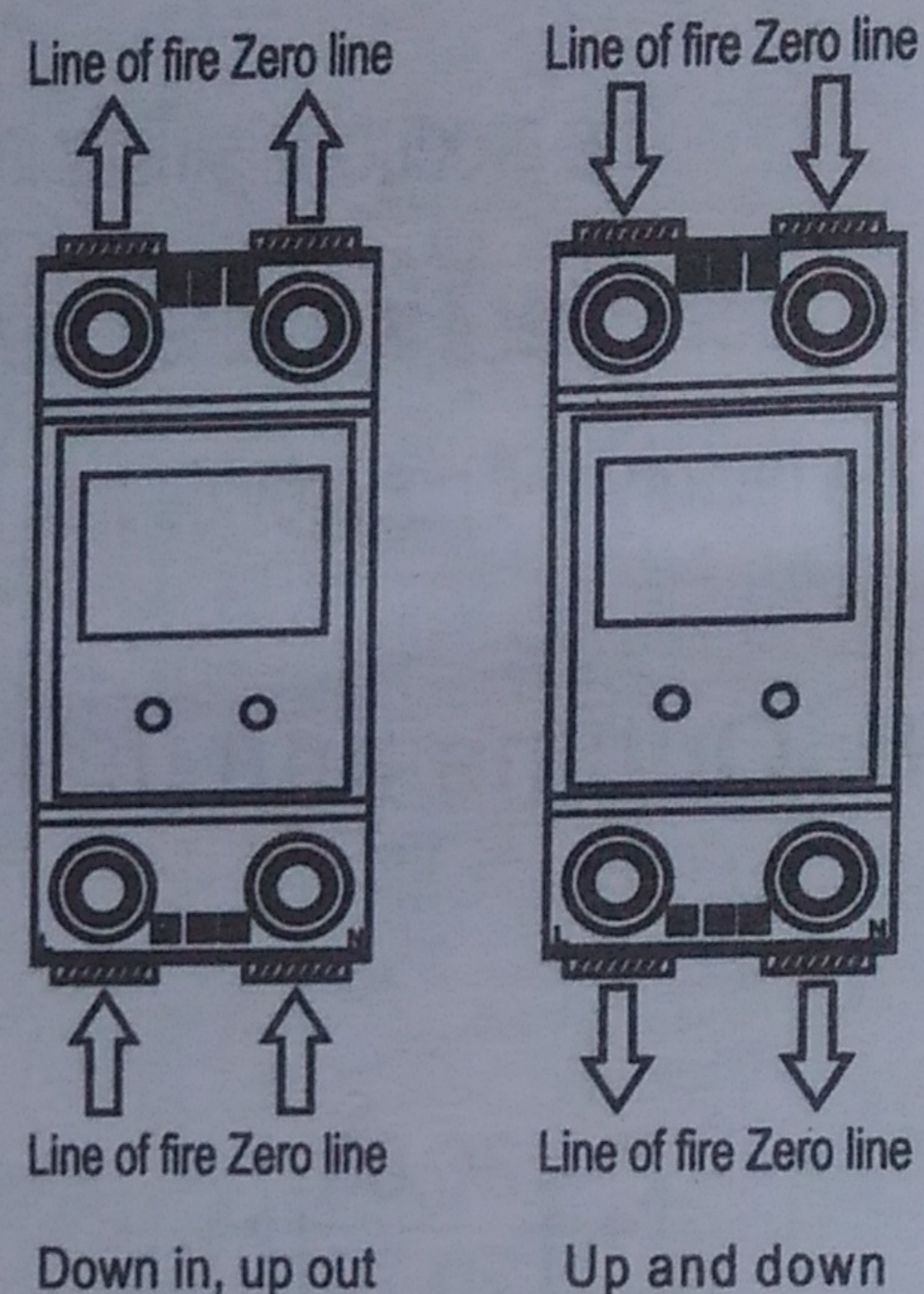
## 3. Main structure and working principle

The electric energy consumed by users is sampled by the signals on the voltage divider and shunt, and sent to the amplifier and multiplier circuit. The product signal is converted by integral and V/F, and output by logic frequency division circuit, which drives LCD display to measure electric energy.



## 4. Installation and wiring

The product should be connected according to the product wiring with "I incoming line terminal n" and "I outgoing line terminal n". 254 socket end is the pulse output end for error detection or as a pulse signal interface. Special note: because the current and voltage signals use shunt, voltage divider resistance sampling, forward and reverse are accumulated count. Therefore, any table can be down into the upper out, or up and down out, without affecting the use.



## 5. Transportation and storage

The product should be kept in the original package, the environment should be 0-40°C, the relative humidity should not exceed 85%, and there should be no corrosive gas in the air.

When the products are stored in the warehouse, they should be placed on the bench with the stacking height of no more than 5 boxes, and the stacking height of a single product after unpacking shall not exceed 10 pieces.

## 6. Guarantee period

Within 12 months from the date of delivery, if there are product quality problems and the seal is in good condition, outlaetory will provide free repair and replacement.



## 7. Precautions

The product is strictly inspected before leaving the factory, and the seal can only be added after it is qualified. Users are not allowed to remove it by themselves, otherwise the factory will not provide free maintenance and replacement for the product.

## 8. Outline and installation dimensions

