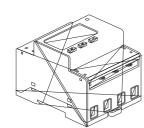
85mm

Installation and operation instruction



3 phase 3 wires Reference voltage 3×100V 3×380V Voltage range 3×100V - 3×450V <10VA(Single phase) Impedance Error±0.2% 3×1(6)A, 3×10(80)A Input current <1VA Single phase rated current Accuracy class Error±0.2% Active, reactive, apparent power, error±0.5% Frequency 45~65Hz. Error±0.2% Energy Active energy(Accuracy class; 0.5); reactive energy(Accuracy class 2 Clock Energy pulse output 1 active photocoupler output Width of pulse 80±20ms Pulse constant 400imp/kWh,10000imp/kWh(Correspond with the basic curren

Range of communication Modbus RTU:1~254 address

Baud rate

envir-onm ent Relative humidity

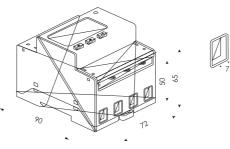
RS485: Modbus RTU

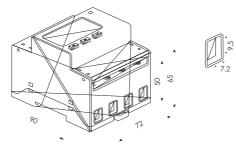
1200bps~38400bps

-25°C~+55°C ≤95%(No condensation)

Table 1 technical parameter descriptions

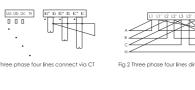
1 Dimension drawings



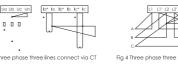


2 Wiring and installing

2.1 Wiring sample of voltage and current







3 Function description 3.1 Measurement

It can measure the electrical parameter,include U、I、P、Q、S、PF、F、1~31th harmonic。

Ep#BEp

Fig 5 Communication, pulse connection

If: U = 220.1V, f = 49.98Hz, I = 1.99A, P = 0.439kW Such as:U = 220.1V, f = 49.98Hz, I = 1.99A, P = 0.439kW

2.2 Wiring diagram of communication and pulse terminals

3.2 Calculating

Can measure the active energy, forward active energy, reversing active energy, forward reactive energy, reversing reactive energy.

Two timing table, four time zone, one table have fourteen timing, four rate.

3.4 Demand

The description about demand:

The average power in the demand cycle.

The maximum value of demand in a period of time.

any time point during a period shorter than the demand period. The demand measured by this means is called sliding demand. The recurrence

time is sliding window time.

The default demand cycle is 15 minutes, slip time is 1 minute, The meter can measure 4 kinds of maximum demand: forward active, reversing active, inductive reactive, capacitive reactive maximum demand and the

3.5 History data statistics

The meter can record last 48 months or last 90 days history energy in each tariff.

4 Operation and display

70mm

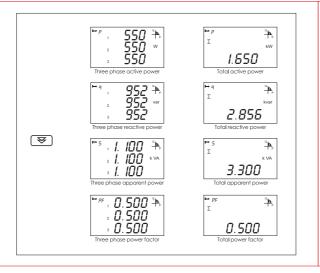
4.1 Key function description

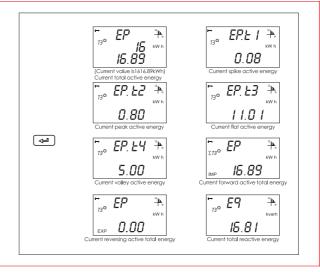
Table 3 Key's function description

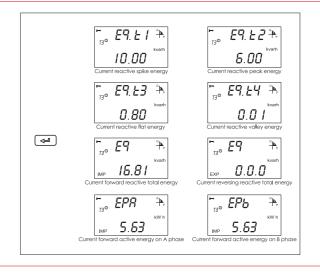
会	Voltage and current, up	Check the voltage and current Leftward and change flash in programming menu
₩	Power, down	Check the power Rightward and change the value on flash
4	Energy, enter	Check the energy In/out programming menu Save changes

The meter will show the forward active energy after powering. The customers can change the information showing by pressing the keys. The menu description is listed as below:

Table 4 display descriptions 会 nonE ♣ 9.6 × 001









Current forward active energy on C phase

1 All the display menus above are in the model of ADL400 three phases four lines with multi-tariff rate function and can be changed by the keys.

2 There will not be power or power factor on each phase and will only show total power and power factor (Active, reactive, apparent) under the three phase

3 There will not be date, time, maximum demand and energy by time without the function of multi-tariff rate.