Acrel

ALP series Intelligent low Voltage Line Protector

- U, I, P, Q, S, PF, EP Measurement
- Overcurrent, undervoltage, overvoltage, zero sequence, phase failure, linkage, unbalance protection, etc.
- SOE event recording function
- 9 channels DI input, 5 channels DO output programmable
- 1 channel MODBUS-RTU
- Leakage current protection / 4-20mA analog output (optional)
- Chinese LCD display interface

TECHNOLOGY PARAMETER

Voltage Specification	AC220V 380V 660V
Current Specification	1A(1-6300) 5A(1-6300) 25A(6-25) 100(20-100) 160A(80-160) 400(140-400A)
Auxiliary Power	AC85V~265V/DC100V~350V
Protection Level	Main body IP20, split display module IP65

PRODUCT SELECTION

ALP200

5 channels switch value acquisition
4 channels relay outputs
Inverse time overcurrent protection
Residual current protection (optional)
Modbus-RTU
1 channel 4-20mA analog output (optional)
8 fault records
8 opening records
8 closing records
8 DI action records

ALP220

5 channels switch value acquisition
4 channels relay outputs
Inverse time overcurrent protection
Residual current protection (optional)
Modbus-RTU
1 channel 4-20mA analog output (optional)
8 fault records
8 opening records
8 closing records
8 DI action records

ALP320

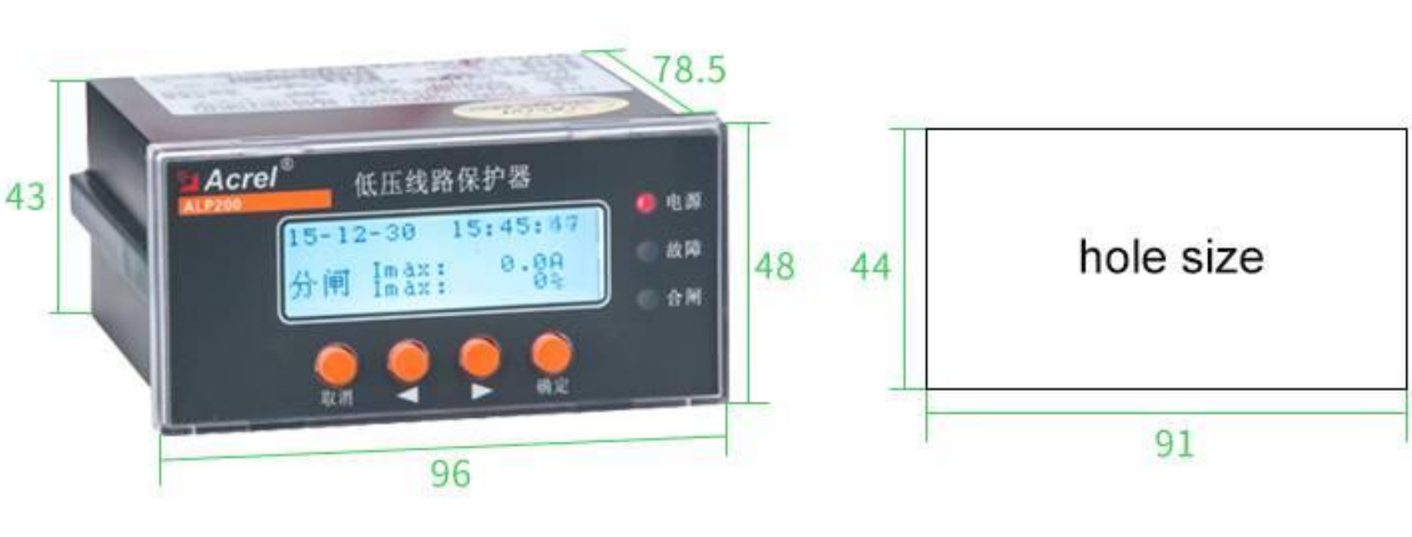
9 channels switch value acquisition
5 channels relay outputs
Inverse time overcurrent protection
Residual current protection (optional)
Modbus-RTU
1 channel 4-20mA analog output (optional)
8 fault records
8 opening records
8 closing records
8 DI action records

ALP220-PT

5 channels switch value acquisition
4 channels relay outputs
Overvoltage protection
Zero sequence overvoltage protection
Voltage unbalance protection
PT disconnection protection
Modbus-RTU
1 channel 4-20mA analog output (optional)
8 fault records

INSTALLATION METHOD

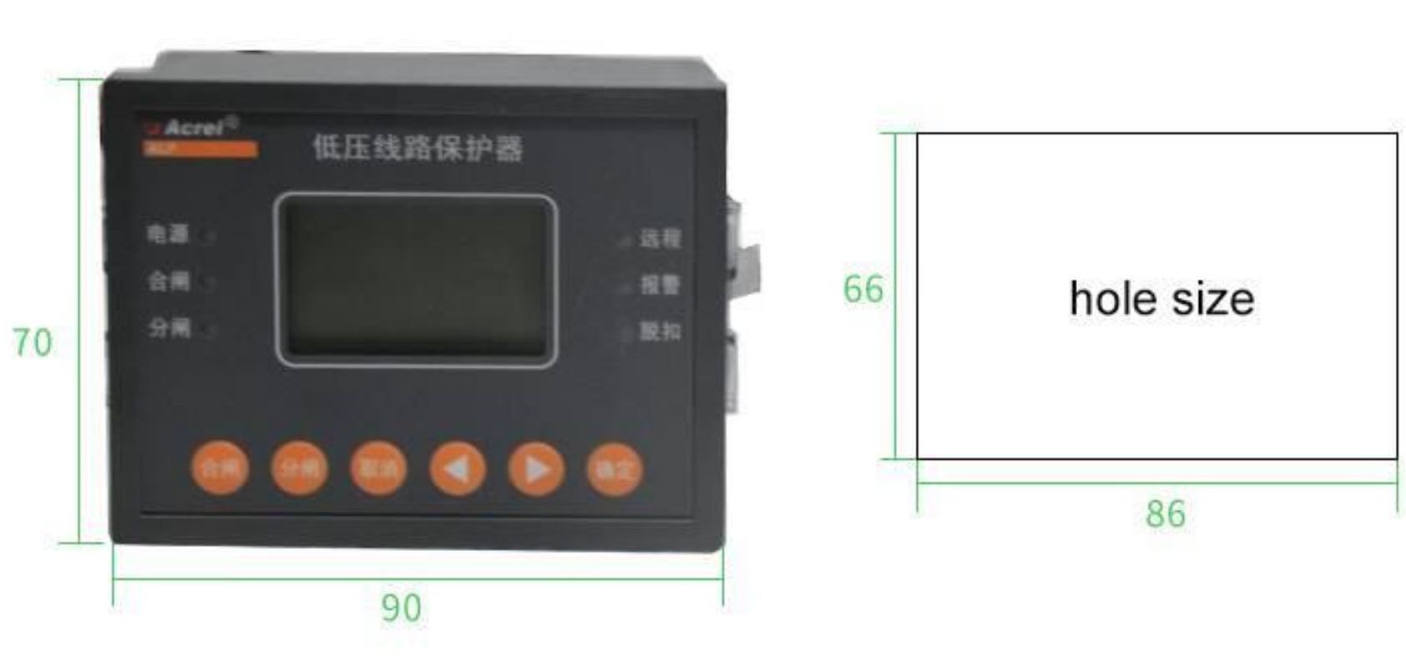
ALP200 Embedded Installation (unit: mm)



ALP220 Embedded Installation (unit: mm)

ALP220-PT Embedded Installation (unit: mm)

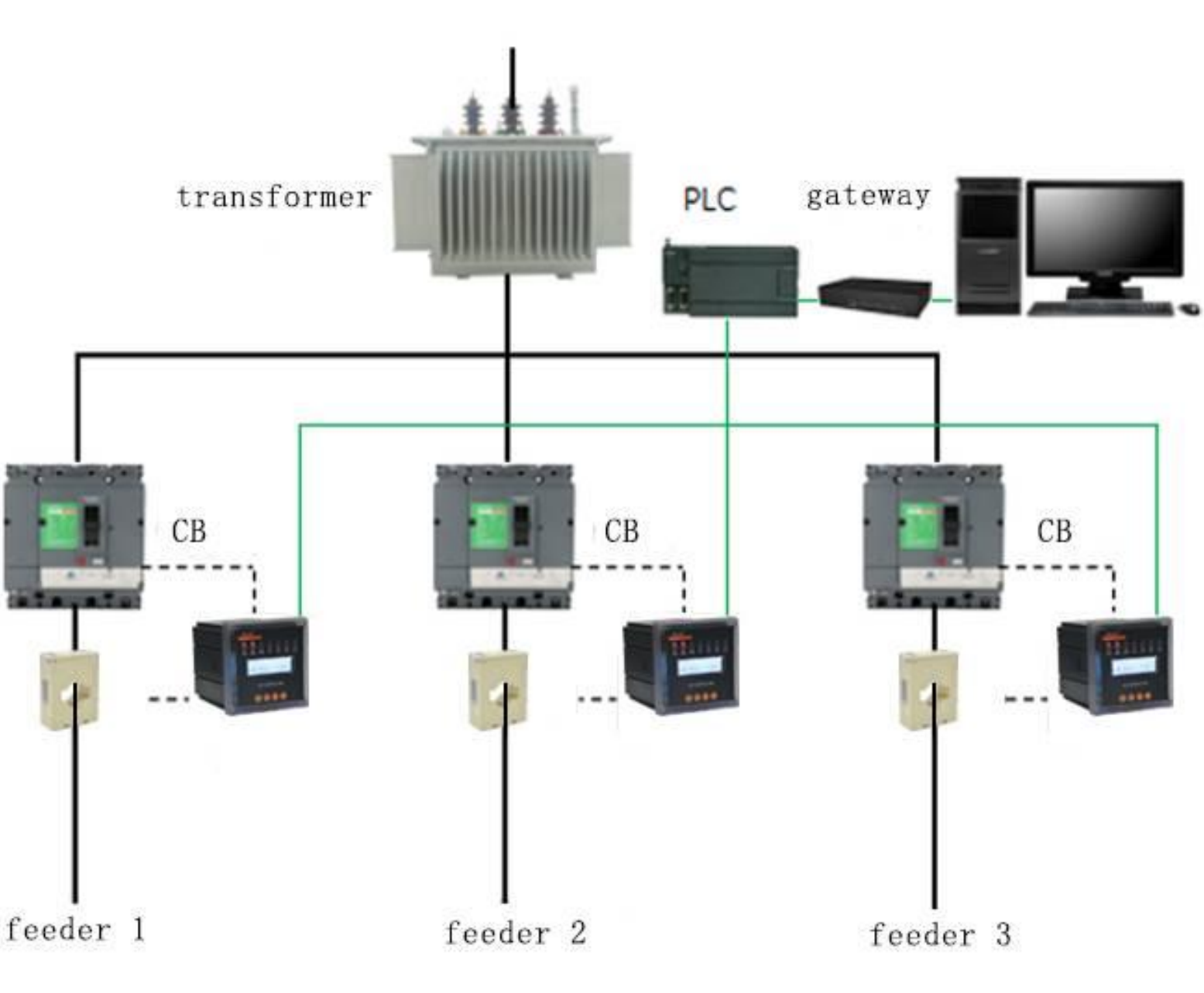
ALP320 Display Module Embedded Installation (unit: mm)



ALP320 Main Control Module Rail Installation (unit: mm)

WIRING

DIAGRAM



APPLICATION

PETROCHEMICAL

COALMINE

VESSEL

SMELTING

Q & A

1

Can it be connected to 690V/1140V system?

Yes, Auxiliary and control power supply need AC220V, 1140V or higher voltage class current transformer is converted into 1A or 5A signal to be connected to the protector through PT.

2

Can ALP be used in single phase circuit?

Yes. The system wiring type can be selected in the menu, you can choose single phase, three phase three wire (3p3w) or three phase four wire (3p4w).

3

Does the state of the circuit breaker in the digital input have to be connected?

The circuit breaker status must be connected to determine the current opening and closing status. Otherwise, it will be abnormal when using the opening and closing control command.

4

How to wire the leakage current transformer?

After the leakage current function is selected, pass the three-phase cable and the N wire through the leakage current transformer, and connect the lead wires to the 40 and 41 terminals.

ABOUT ACREL

Acrel Co., Ltd.[stock code: 300286.sz] is a high-tech enterprise integrates R&D, production, sales and service, since its establishment, it committed to provide users with energy efficiency management and power security system solutions. Acrel Electric has a complete production line from cloud platform software to sensors. At present, more than 10,000 sets of various solutions are running all over the country, help users to realize the visual management of energy consumption, provide users the energy data services, and escort users an efficient and safe energy consumption.

PRODUCTION WORKSHOP