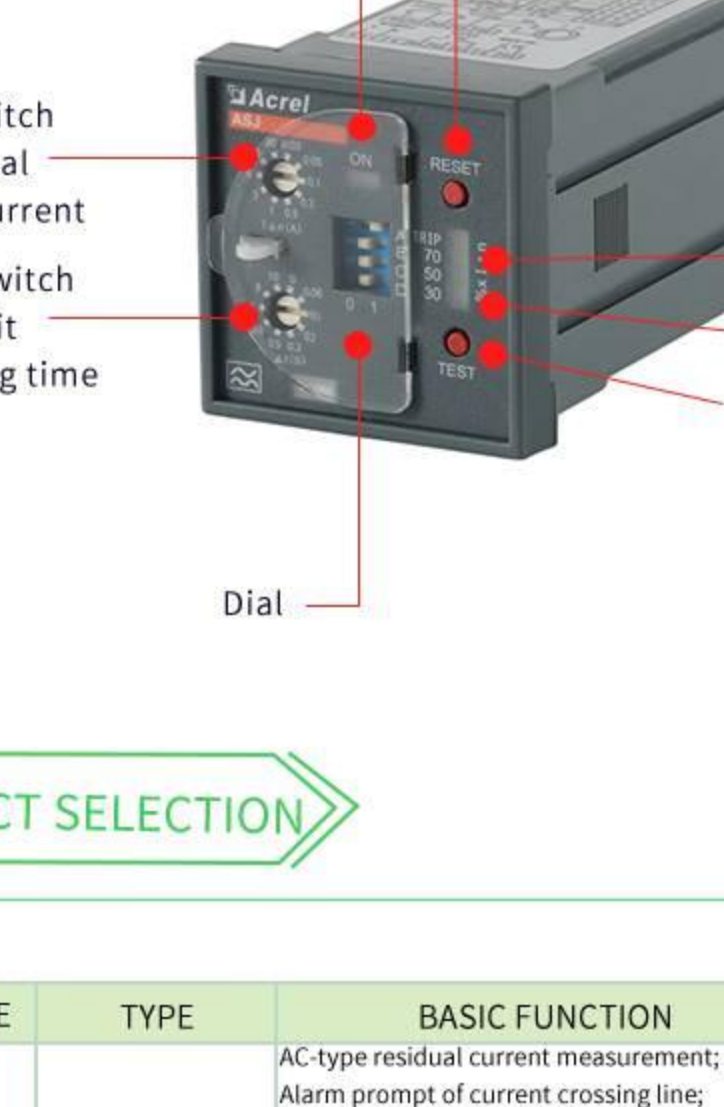


Residual Current Operated Relay



- A-type Residual Current Measurement;
- LED Bargraphy Current Ratio Display ;
- Ten kinds of rated residual operating current can be seted;
- Ten kinds of limit non-driving time can be seted;
- Two groups of relay output
- With local and remote “test” and “reset” functions.

APPEARANCE



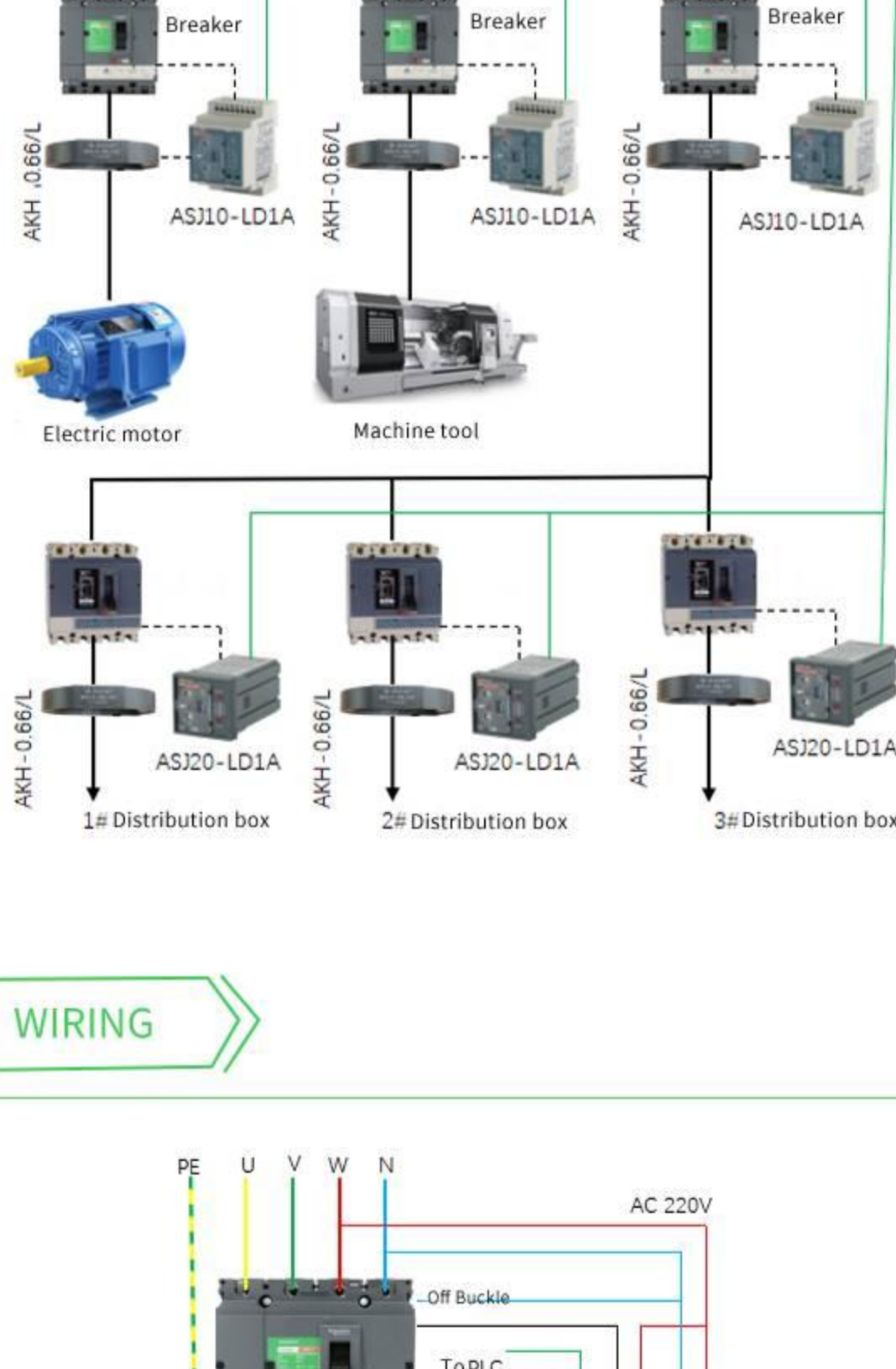
TECHNICAL PARAMETER

- Power light
- Reset button
- The set switch of residual operating current
- The set switch of limit non-driving time
- Dial
- Alarm light
- Indicator light with streamer
- Test button

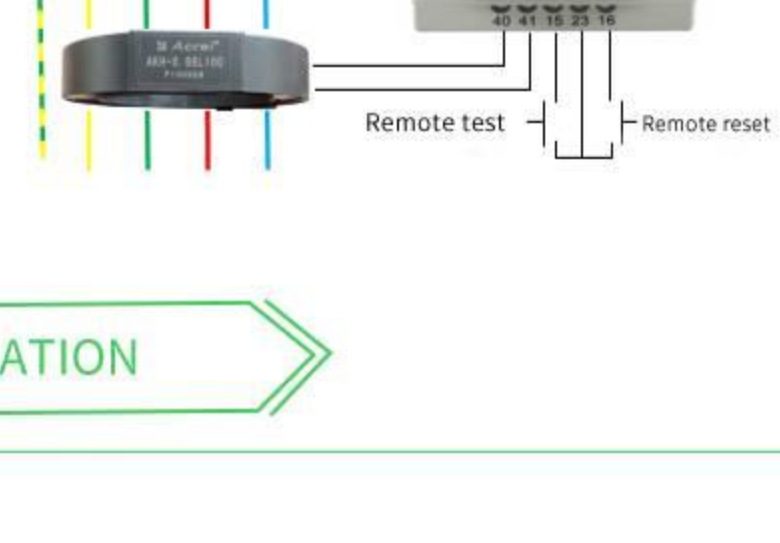
PRODUCT SELECTION

APPEARANCE	TYPE	BASIC FUNCTION	INSTALLATION
	ASJ10-LD1C	AC-type residual current measurement; Alarm prompt of current crossing line; Rated residual operating current can be measured Limit non-driving time can be set; Two sets of relay output; With local and remote “test” and “reset” functions;	Rail type (DIN35mm)
	ASJ10-LD1A	A-type residual current measurement; Current percentage light column display; Rated residual operating current can be measured; Limit non-driving time can be set; Two sets of relay output (settable); With local and remote “test” and “reset” functions;	
	ASJ10L-LD1A	A-type residual current measurement; Rated residual operating current can be measured Limit non-driving time can be set; Two sets of relay output; Transformer breakage alarm can be set; Pre-alarm value can be set; Return value can be set; With on-site display, remote “test”, “reset” functions, 25 event records.	
	ASJ20-LD1C	AC-type residual current measurement; Alarm prompt of current crossing line; Rated residual operating current can be measured; Limit non-driving time can be set; Two sets of relay output; With local and remote “test” and “reset” functions;	Embedded type (48 square)
	ASJ20-LD1A	A-type residual current measurement; Current percentage light column display; Rated residual operating current can be measured; Limit non-driving time can be set; Two sets of relay output; With local and remote “test” and “reset” functions.	

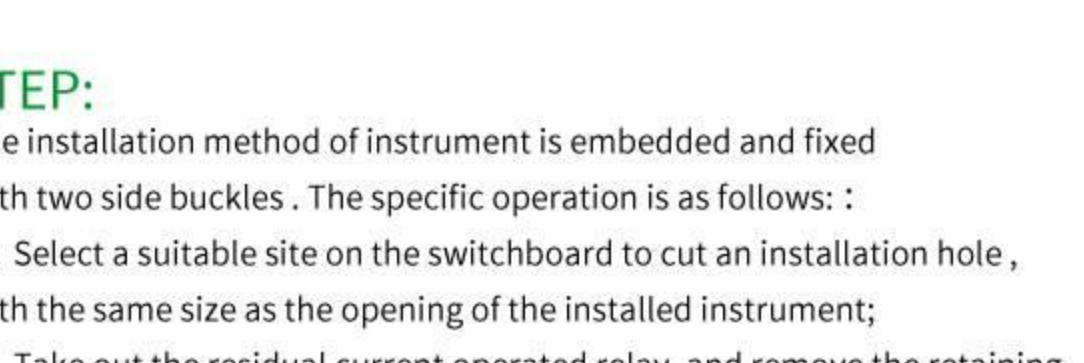
NETWORK TOPOLOGY



WIRING



INSTALLATION



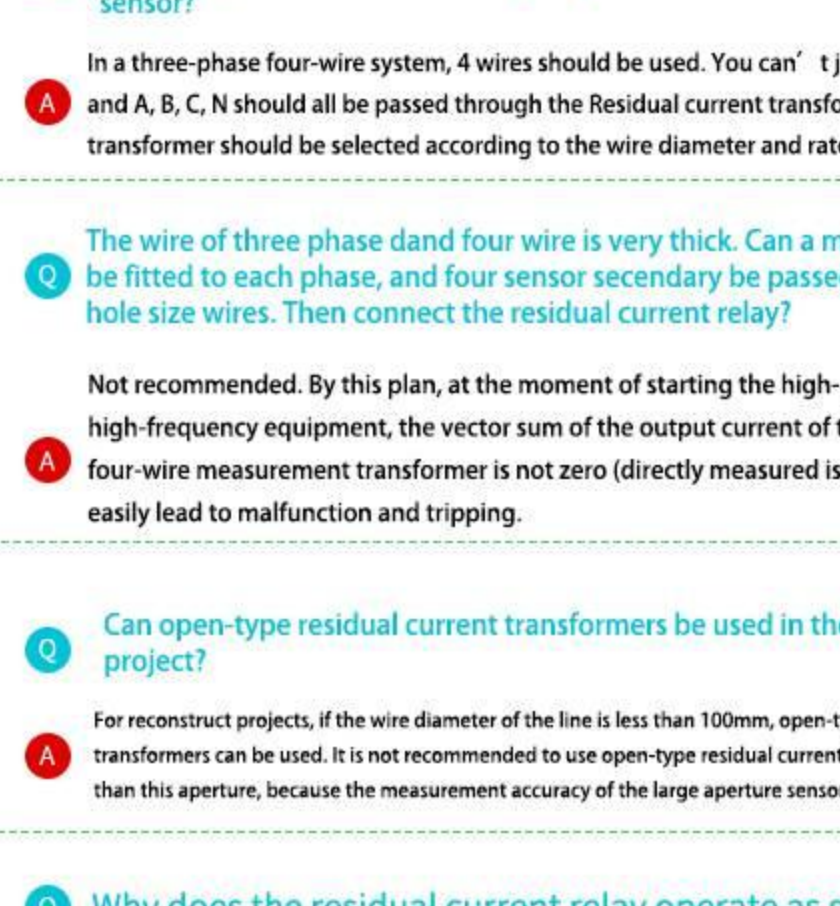
STEP:

- The installation method of the instrument is embedded and fixed with two side buckles . The specific operation is as follows: :
- 1、 Select a suitable board on the switchboard to cut an installation hole , with the same size as the opening of the installed instrument;
 - 2、 Take out the residual current operated relay, and remove the retaining buckles;
 - 3、 Insert the meter into the hole of switchboard, after that fix it with buckles;

PHOTOS ON-SITE



CERTIFICATION



FAQ

- Q** How many wires can be passed through a residual current transformer? Can I just put one firewire? Can I just pass firewire of A, B, C through the sensor?

A In a three-phase four-wire system, 4 wires should be used. You can't just pass a firewire, and A, B, C, N should all be passed through the Residual current transformer. A suitable transformer should be selected according to the wire diameter and rated current on site.
- Q** The wire of three phase and four wire is very thick. Can a measuring sensor be fitted to each phase, and four sensor secondary be passed through small hole size wires. Then connect the residual current relay?

A Not recommended. By this plan, at the moment of starting the high-power and high-frequency equipment, the vector sum of the output current of three-phase four-wire measurement transformer is not zero (directly measured is 0), which can easily lead to malfunction and tripping.
- Q** Can open-type residual current transformers be used in the renovation project?

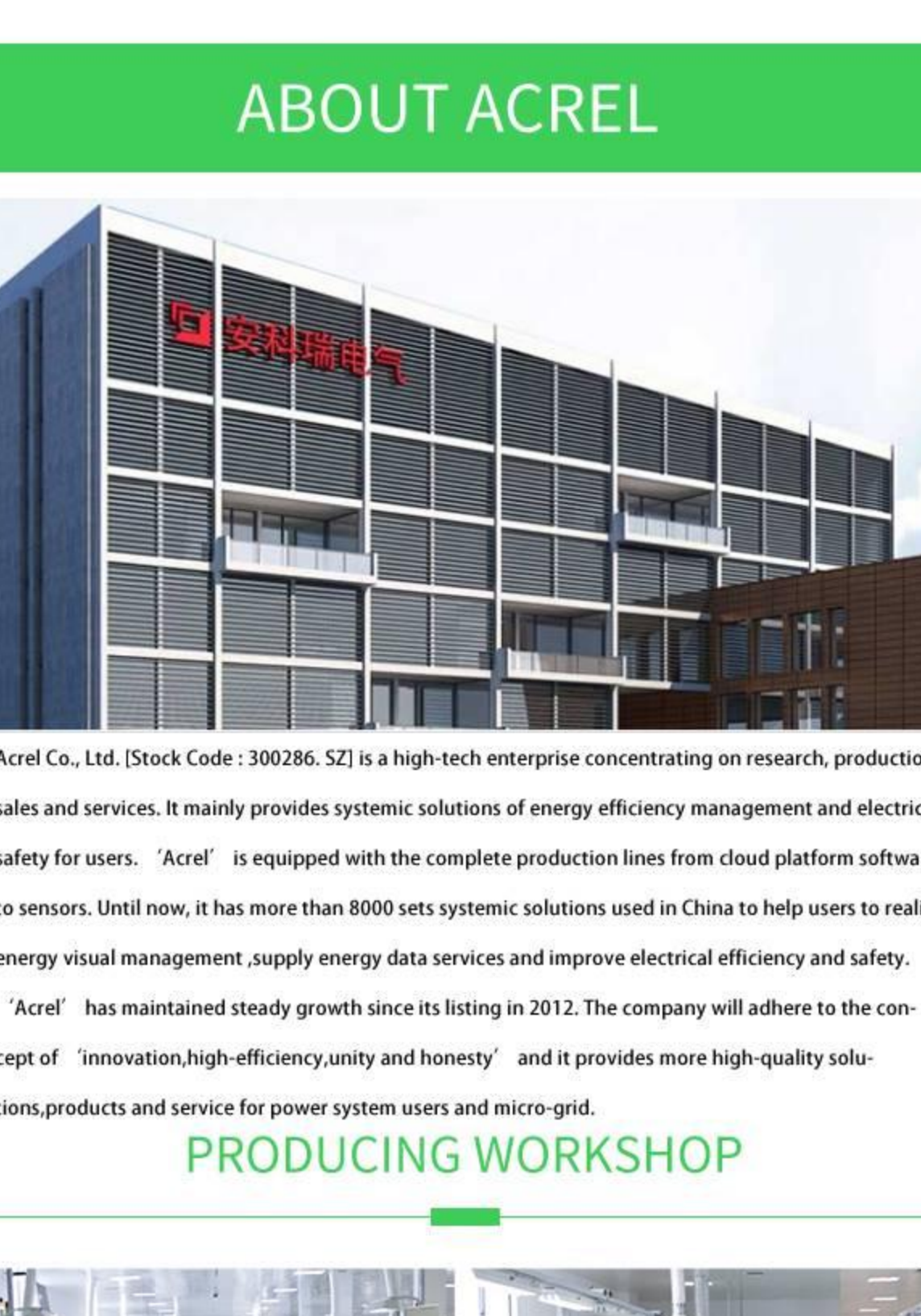
A For reconstruct projects, if the wire diameter of the line is less than 100mm, open-type residual current transformers can be used. It is not recommended to use open-type residual current transformers larger than this aperture, because the measurement accuracy of the large aperture sensor is poor.
- Q** Why does the residual current relay operate as soon as it is powered on?

A Reason one may be wiring error; Another may be wrong product selection.
- Q** After power-off the ASJ residual current relay, the breaker will trip-out. What's the reason for this phenomenon?

A This phenomenon is that the breaker will trip-out after the protected power supply is cut off; the other is to protect the line when undergoing dual power switching. ASJ series residual current relay is the type that automatically recovers and resets when the auxiliary power fails. According above-mentioned conditions, the instrument can be selected as the type that does not automatically act when the power fails.
- Q** What does In:100A mean on the panel? Can it be removed?

A In means rated current and cannot be removed. It is clearly stipulated in 4.2.2.2 and 5.1 of GB/T 22387-2016, the panel needs to be marked with the rated current or the size of the hole of the residual current transformer

APPLICATION



ABOUT ACREL



Acrel Co., Ltd. [Stock Code : 300286.SZ] is a high-tech enterprise concentrating on research, production, sales and services. It mainly provides systemic solutions of energy efficiency management and electrical safety for users. 'Acrel' is equipped with the complete production lines from cloud platform software to sensors. Until now, it has more than 8000 sets systemic solutions used in China to help users to realize energy visual management, supply energy data services and improve electrical efficiency and safety. 'Acrel' has maintained steady growth since its listing in 2012. The company will adhere to the concept of 'innovation, high-efficiency, unity and honesty' and it provides more high-quality solutions, products and service for power system users and micro-grid.

PRODUCING WORKSHOP

