



Alcohol Breathalyzer



Home Gas Alarm



Industrial Gas Detection



Home Power Control



Henan Huoyan Biotechnology Co., Ltd

ADD: Building B, Yingxie Square, Jinshui District, Zhengzhou 45000, Henan, China

TEL:+86-400-8099296

E-mail: sales@pesv.com www.pesv.com

PE|SV International

Powered by Henan Huoyan Biotech Co., Ltd

To provide Professional Equipment & Safety Values for global partners

ISO14001

ISO9001

OHSAS18001





Smart Sensing Active Protection

PE
SV

PESV International

P-Professional

- We act with Professional Rigor

E - Equipment

- Every piece of equipment matters

S - Safety First

- Safety is our bottom line

V - Value Creation

- We create value through service

PESV Professional Equipment & Safety Values

PESV is dedicated to being the bridge connecting global industrial needs with China's premium manufacturing resources. Our name reflects our founding principles: Professional Equipment and Safety Values.

Our Foundation

Currently, we specialize in two core sectors: "Smart Sensing", represented by gas detection and alcohol testing; and "Active Protection", represented by circuit breakers and fire suppression systems. These constitute our first line of defense for you and serve as the cornerstone where we demonstrate our rigorous selection standards.

Our Possibilities

But this is just the beginning. As a dynamic integrator, we do not set rigid limits on our boundaries. China possesses the world's most complete industrial categories, and PESV's mission is to be the insightful "curator" for you.

We maintain an open horizon, always ready to respond to your diverse needs. From precision instruments to general industrial equipment, as long as it meets PESV's quality standards, it has a place in our portfolio.

We provide more than just products; we provide certainty—Whatever industrial equipment you need, PESV is your trusted gateway to quality in China.



Smart Circuit Protection

www.pesv.com

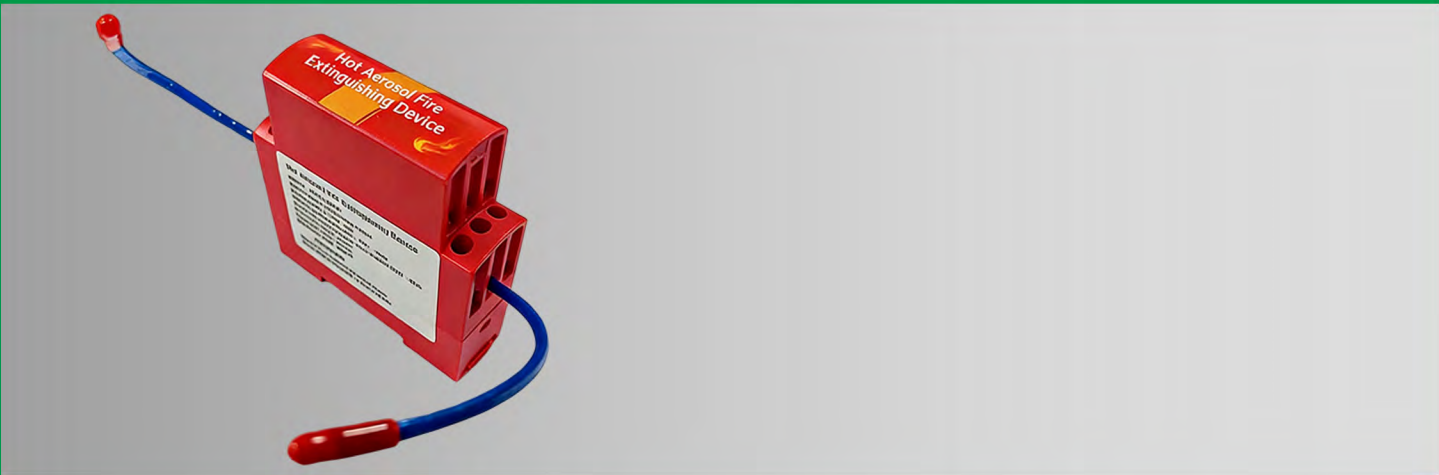
Smart Energy Management



Grid Safety Protection & Control



Active Fire Suppression Equipment

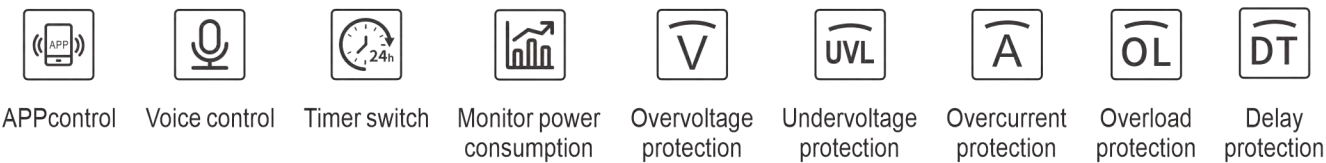


WIFI Smart Circuit Breaker



Function Overview

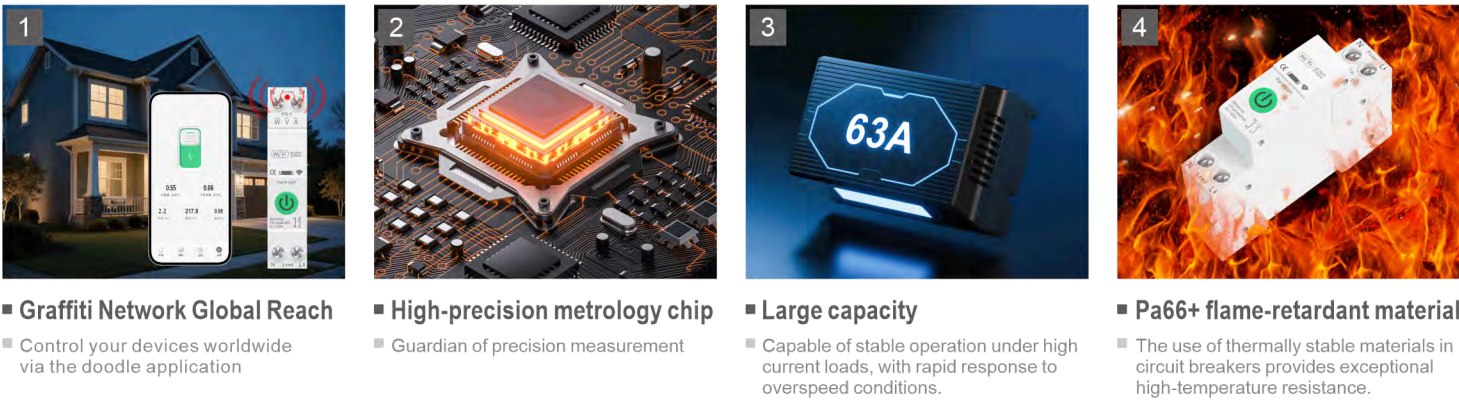
WIFI Smart On/Off Switch, featuring an advanced structure, reliable performance, and an aesthetically pleasing, compact design, is primarily intended for use in locations with AC 50Hz, voltage below 400V, and a rated operating current of 63A or less. Capable of remote operation, it enables real-time display of electrical parameters such as current, voltage, energy consumption, power, and frequency via mobile devices. With programmable cycling timers, it can be set to initiate or cease power supply. Suitable for protecting lighting, distribution circuits, and equipment in office buildings, residences, and similar structures, it also facilitates infrequent switching and conversion operations.



Principal Technical Parameters

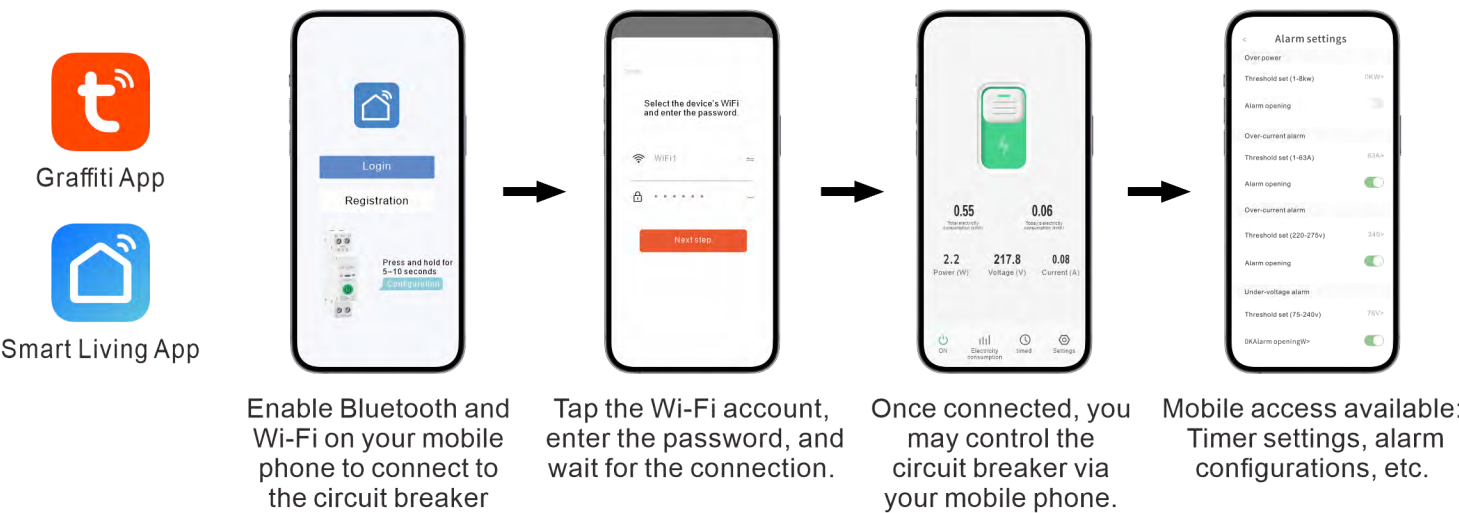
Product Name:	WIFI Smart Circuit Breaker	Current setting:	1-63A
Rated voltage:	AC 220V/110V	Protection rating:	400V
Withstand voltage:	AC 80V-300V	Grade:	IP30
wireless network:	Tuya Smart	Executive body:	Relay
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Undervoltage range:	75-210V	Humidity:	<50%at40°C(non-condensing)
Electric power range:	0-9999kW·h	Electrical life:	10000 times
Scheduled settings:	15 sets of timed settings	Maximum power:	15KW
Product dimensions:	18*84*68mm	Packing quantity:	100only
Box dimensions:	465*235*175mm	Box weight:	11KG

Features

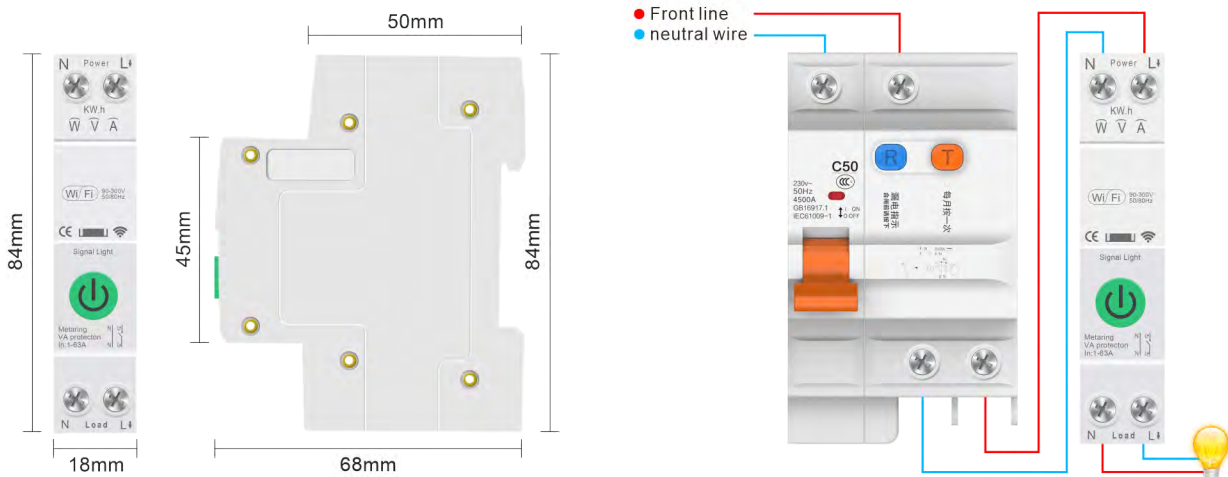


Distribution network configuration steps

Method for connecting to Wi-Fi or performing a reset: Press and hold the power button on the device for 5-10 seconds until the Wi-Fi indicator light flashes. Enable Bluetooth on your mobile phone, then open the Smart Life app. Tap the '+' icon in the top-right corner, select 'Add Device', and wait for the device to appear in the scan. Tap the device, select the desired Wi-Fi network, enter the password, and wait for the device to successfully connect.



Dimensions and Wiring



WIFI Multifunction Meter



Function Overview

- The WiFi Rail-Mounted Multifunctional Electricity Meter features a rail-mounted design, offering compact dimensions, a streamlined structure, and straightforward installation. Equipped with an LCD display, it provides real-time readings of electrical parameters including current, voltage, energy consumption, power, and frequency, facilitating easy data retrieval and user-friendly operation. The WIFI module transmits real-time power data, enabling remote monitoring and control of on-site operations. The app platform's robust analytical and management capabilities ensure the secure operation of the power system. Possessing excellent resistance to electromagnetic interference, it meets all requirements for energy management. It facilitates the implementation of terminal lighting energy metering and simplifies retrofitting lighting systems with electricity meters.



APPcontrol



Voice control



Timer switch



Monitor power consumption



Overvoltage protection



Undervoltage protection



Overcurrent protection



Overload protection



Delay protection

Principal Technical Parameters

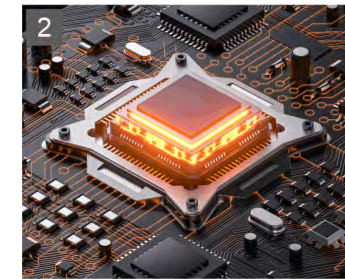
Product Name:	WIFI Multifunction Meter	Current setting:	1-63A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand voltage:	AC 80V-300V	Power factor:	0-1.0PF
wireless network:	Tuya Smart	Password Settings:	Initial (0000)
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Undervoltage range:	75-210V	Humidity:	<50%at40°C(non-condensing)
Electric power range:	0-99999kW·h	Electrical life:	10000times
Timing range:	0-999 days	Overpower setting:	1-15KW
Product dimensions:	24*84*68mm	Packing quantity:	100only
Box dimensions:	295*460*160mm	Box weight:	12KG

Features



Graffiti Network Global Reach

- Control your devices worldwide via the doodle application



High-precision metrology chip

- Guardian of precision measurement



Multi-parameter display

- Real-time display of key data, clear and intuitive, enabling precise control over equipment operational status.



Pa66+ flame-retardant material

- The use of thermally stable materials in circuit breakers provides exceptional high-temperature resistance.

Distribution network configuration steps

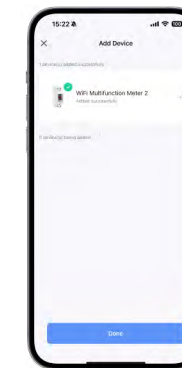
- Press the set key for 5 seconds to enter the settings page, give an example of the "Overvoltage Protection" setting, click the key cursor to move to the "Overvoltage Protection" position, press the set key to select, press the key to adjust to the required value, press the set to save after the adjustment is completed, and press the key to select other settings. If you do not need to set it, press the key to move the cursor to the exit position, and then press set to return to the home page. The other settings can be the same as the "Overvoltage Protection" setting method.



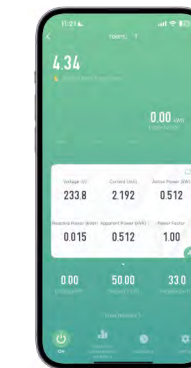
Graffiti App



Smart Living App



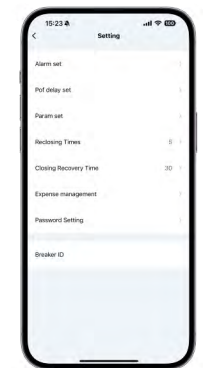
Enable Bluetooth and Wi-Fi on your mobile deviceConnect to the instrument



Once connected, you may control the instrument via your mobile phone.

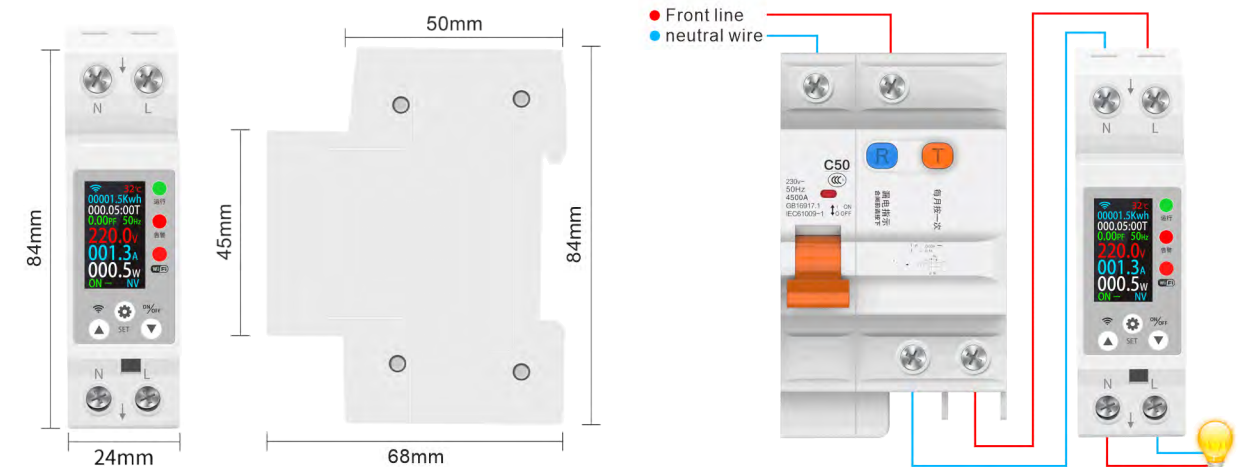


Password required for setup. Default password: '0000'.



Settings available for viewing: Alarms, Parameters, Fee Management, etc.

Dimensions and Wiring



WIFI Reclosing Protector

Function Overview

WIFI Smart Reclosing Earth Leakage Circuit Breaker, primarily employed for equipment earth leakage faults and providing lethal protection against electric shock hazards. It incorporates overload and short-circuit protection functions to safeguard circuits or motors against overloads and short circuits. Upon detecting earth leakage or insulation failure in the main circuit, the earth leakage reclosing device will either connect or disconnect the circuit based on its assessment. The app platform's robust analytical management capabilities ensure secure operation of the power system. It exhibits excellent resistance to electromagnetic interference while incorporating protections against short circuits, overloads, leakage currents, overvoltage, and undervoltage. Upon restoration of the power system, it automatically re-energises the circuit without requiring manual intervention on-site. This remote automated control eliminates significant labour costs.



APPcontrol

Voice control

Timer switch

Monitor power consumption

Overvoltage protection

Undervoltage protection

Overcurrent protection

Overload protection

Delay protection

Earth leakage protection

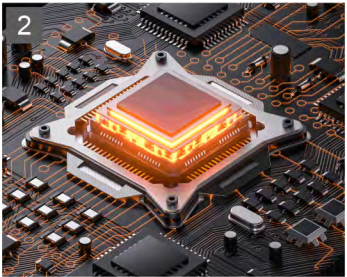
Principal Technical Parameters

Product Name:	WIFI Reclosing Protector	Current setting:	1-63A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand voltage:	AC 80V-300V	Protection rating:	IP30
wireless network:	Tuya Smart	Scope of leakage:	10-99MA
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Undervoltage range:	75-210V	Humidity:	<50%at40°C(non-condensing)
Electric power range:	0-9999kW · h	Electrical life:	10000times
Scheduled settings:	15 sets of timed settings	Maximum power:	15KW
Product dimensions:	37*85*65mm	Packing quantity:	100only
Box dimensions:	450*150*415mm	Box weight:	18KG

Features



■ **Graffiti Network Global Reach**
■ Control your devices worldwide via the doodle application



■ **High-precision metrology chip**
■ Guardian of precision measurement



■ **Remote closing**
■ Remote closing, no on-site operation required, One-key remote control for energisation.



■ **Earth leakage protection**
■ Earth leakage protection, precisely monitors leakage current, instantly cuts power to prevent electric shock

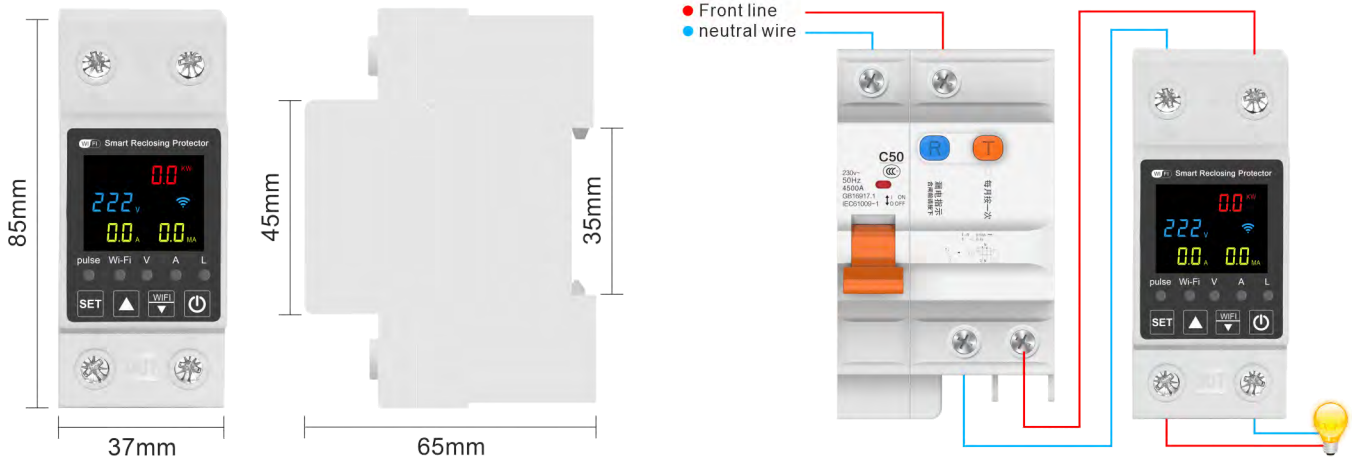
Distribution network configuration steps

■ Method for connecting to Wi-Fi or performing a reset: Press and hold the power button on the device for 5-10 seconds until the Wi-Fi indicator light flashes. Enable Bluetooth on your mobile phone, then open the Smart Life app. Tap the '+' icon in the top-right corner, select 'Add Device', and wait for the device to appear in the scan. Tap the device, select the desired Wi-Fi network, enter the password, and wait for the device to successfully connect.

Graffiti App

Smart Living App

Dimensions and Wiring



WIFI Reclosing Protector

Function Overview

WIFI Smart Reclosing Earth Leakage Circuit Breaker, primarily employed for three-phase four-wire power equipment during earth leakage faults and to provide lethal-risk protection against electric shock to personnel, featuring overload and short-circuit protection functions. When earth leakage or insulation failure occurs in the main circuit, the earth leakage reclosing device may connect or disconnect the circuit based on its assessment. The APP platform's robust analytical management capabilities ensure the secure operation of power systems. It exhibits excellent resistance to electromagnetic interference while incorporating protections against short circuits, overloads, leakage currents, overvoltage, and undervoltage. Upon restoration of the power system, automatic reclosing resumes supply without requiring manual intervention on-site. Remote automated control eliminates substantial labour costs.



APPcontrol

Voice control

Timer switch

Monitor power consumption

Overvoltage protection

Undervoltage protection

Overcurrent protection

Overload protection

Delay protection

Temperature protection

Principal Technical Parameters

Product Name:	WIFI Reclosing Protector	Current setting:	1-100A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand voltage:	AC 80V-300V	Protection rating:	IP30
wireless network:	Tuya Smart	Scope of leakage:	10-99mA
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Undervoltage range:	75-210V	Humidity:	<50%at40°C(non-condensing)
Electric power range:	0-9999kW·h	Electrical life:	10000times
Scheduled settings:	15 sets of timed settings	Maximum power:	15KW
Product dimensions:	77*90*75mm	Packing quantity:	36only
Box dimensions:	495*225*320mm	Box weight:	15KG

Features

1 Graffiti Network Global Reach

- Control your devices worldwide via the doodle application

2 High-precision metrology chip

- Guardian of precision measurement

3 100A relay component

- Low-latency command transmission from relay components to smart circuit breakers is critical for rapid (<50 milliseconds) fault response.

4 Power transmission under load

- Powerful drive under load, delivering stable operation for high-power equipment.

Distribution network configuration steps

Method for connecting to Wi-Fi or performing a reset: Press and hold the power button on the device for 5-10 seconds until the Wi-Fi indicator light flashes. Enable Bluetooth on your mobile phone, then open the Smart Life app. Tap the '+' icon in the top-right corner, select 'Add Device', and wait for the device to appear in the scan. Tap the device, select the desired Wi-Fi network, enter the password, and wait for the device to successfully connect.

Graffiti App

Smart Living App

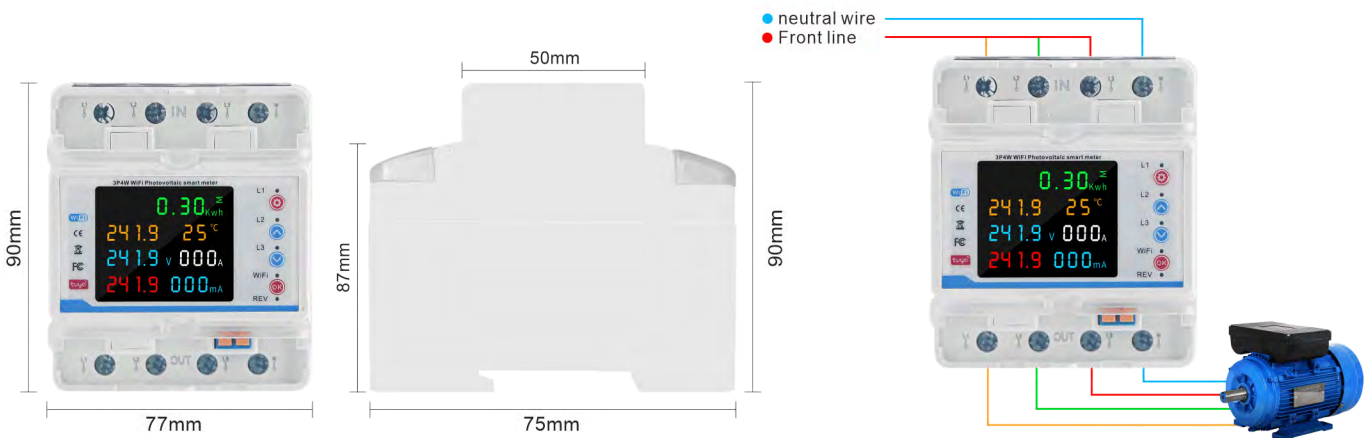
Switch on your mobile's Bluetooth and Wi-Fi. Connect to the protector

Connection successful. Mobile phone control protector

Scheduled settings: configure activation or deactivation during specific time periods.

Settings available for viewing: Alarms, Parameters, Fee Management, etc.

Dimensions and Wiring



WIFI Reclosing Protector



Function Overview

WIFI Smart Reclosing Earth Leakage Circuit Breaker, primarily employed to safeguard against lethal electric shock hazards during equipment leakage faults, protects circuits or motors from overload and short-circuit conditions. It may also serve as infrequent switching for circuit initiation under normal circumstances. Upon detecting leakage or insulation failure in the main circuit, the earth leakage reclosing mechanism will connect or disconnect the circuit based on its assessment. The app platform's robust analytical management capabilities ensure secure operation of the power system. It exhibits excellent resistance to electromagnetic interference while incorporating protections against short circuits, overloads, leakage currents, overvoltage, and undervoltage. Upon restoration of the power system, it automatically re-energises the circuit without requiring manual intervention on-site. This remote automated control eliminates significant labour costs.

APPcontrol

Voice control

Timer switch

Monitor power consumption

Overvoltage protection

Undervoltage protection

Overcurrent protection

Overload protection

Delay protection

Temperature protection

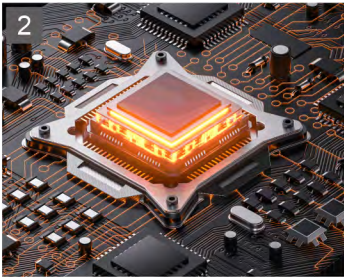
Principal Technical Parameters

Product Name:	WIFI Reclosing Protector	Current setting:	1-100A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand voltage:	AC 80V-300V	Protection rating:	IP30
wireless network:	Tuya Smart	Scope of leakage:	10-99MA
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Undervoltage range:	75-210V	Humidity:	<50%at40°C(non-condensing)
Electric power range:	0-9999kW·h	Electrical life:	10000times
Scheduled settings:	15 sets of timed settings	Maximum power:	15KW
Product dimensions:	77*90*75mm	Packing quantity:	36only
Box dimensions:	495*225*320mm	Box weight:	13KG

Features



1 **Graffiti Network Global Reach**
Control your devices worldwide via the doodle application



2 **High-precision metrology chip**
Guardian of precision measurement



3 **100A relay component**
Low-latency command transmission from relay components to smart circuit breakers is critical for rapid (<50 milliseconds) fault response.



4 **Pa66+ flame-retardant material**
The use of thermally stable materials in circuit breakers provides exceptional high-temperature resistance.

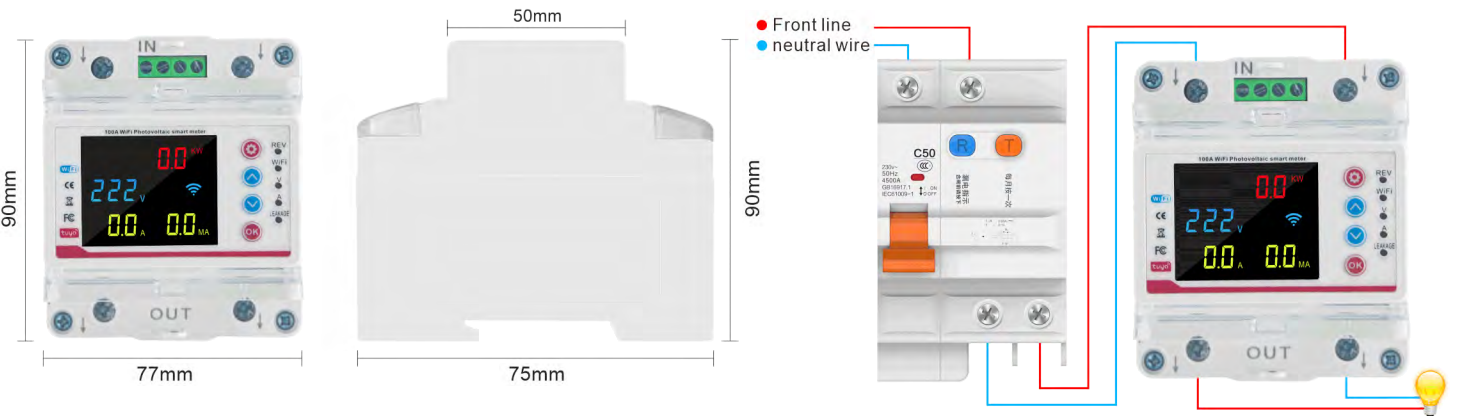
Distribution network configuration steps

Method for connecting to Wi-Fi or performing a reset: Press and hold the power button on the device for 5-10 seconds until the Wi-Fi indicator light flashes. Enable Bluetooth on your mobile phone, then open the Smart Life app. Tap the '+' icon in the top-right corner, select 'Add Device', and wait for the device to appear in the scan. Tap the device, select the desired Wi-Fi network, enter the password, and wait for the device to successfully connect.

Graffiti App

Smart Living App

Dimensions and Wiring



WIFI Smart Circuit Breaker 2P



Function Overview

WIFI 2P Smart On/Off Switch features an advanced structure, reliable performance, and an elegant design. Its spacious interior accommodates high-capacity relays, enabling greater current handling. Primarily designed for AC 50Hz applications with voltages below 400V and rated operating currents up to 63A. It enables remote operation, with mobile applications displaying real-time electrical parameters including current, voltage, energy consumption, power, and frequency. Capable of cyclical timing functions, it allows scheduling of power supply activation or deactivation. Suitable for protecting lighting, distribution circuits, and equipment in office buildings, residences, and similar structures, it may also serve for infrequent switching operations and circuit conversion.

APPcontrol

Voice control

Timer switch

Monitor power consumption

Overvoltage protection

Undervoltage protection

Overcurrent protection

Overload protection

Delay protection

Principal Technical Parameters			
Product Name:	WIFI Smart Circuit Breaker 2P	Current setting:	1-63A
Rated voltage:	AC 220V/110V	Protection rating:	400V
Withstand voltage:	AC 80V-300V	Grade:	IP30
wireless network:	Tuya Smart	Executive body:	Single relay/Dual relay
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Undervoltage range:	75-210V	Humidity:	<50%at40°C(non-condensing)
Electric power range:	0-9999kW·h	Electrical life:	10000times
Scheduled settings:	15 sets of timed settings	Maximum power:	15KW
Product dimensions:	36*84*68mm	Packing quantity:	100only
Box dimensions:	450*150*415mm	Box weight:	15KG

Features

1
Graffiti Network Global Reach

Control your devices worldwide via the doodle application

2
High-precision metrology chip

Guardian of precision measurement

3
Large capacity

Capable of stable operation under high current loads, with rapid response to overspeed conditions.

4
Pa66+ flame-retardant material

The use of thermally stable materials in circuit breakers provides exceptional high-temperature resistance.

Distribution network configuration steps

Method for connecting to Wi-Fi or performing a reset:Press and hold the power button on the device for 5-10 seconds until the Wi-Fi indicator light flashes.Enable Bluetooth on your mobile phone, then open the Smart Life app.Tap the '+' icon in the top-right corner, select 'Add Device', and wait for the device to appear in the scan.Tap the device, select the desired Wi-Fi network, enter the password, and wait for the device to successfully connect.

Graffiti App

Smart Living App

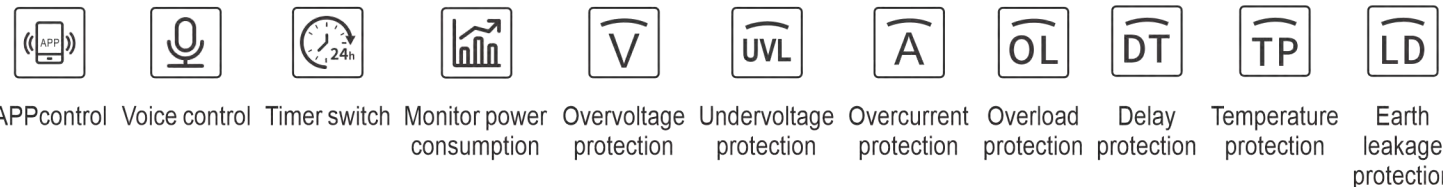
Dimensions and Wiring

WIFI Earth Leakage Circuit Breaker



Function Overview

- WIFI 2P Smart Earth Leakage Circuit Breaker features an advanced structure, reliable performance, and an elegant design. Its spacious interior accommodates a high-capacity relay, enabling greater current handling. Equipped with earth leakage detection, it is primarily designed for use in AC 50Hz environments with voltages below 400V and rated operating currents up to 63A. It supports remote operation, with mobile applications displaying real-time electrical parameters including leakage current, current, voltage, energy consumption, power, and frequency. Timed cycling functionality allows scheduled activation or deactivation of power supply. This device serves as protection for lighting, distribution circuits, and equipment in office buildings, residences, and similar structures, while also facilitating infrequent switching and conversion of circuits.



Principal Technical Parameters

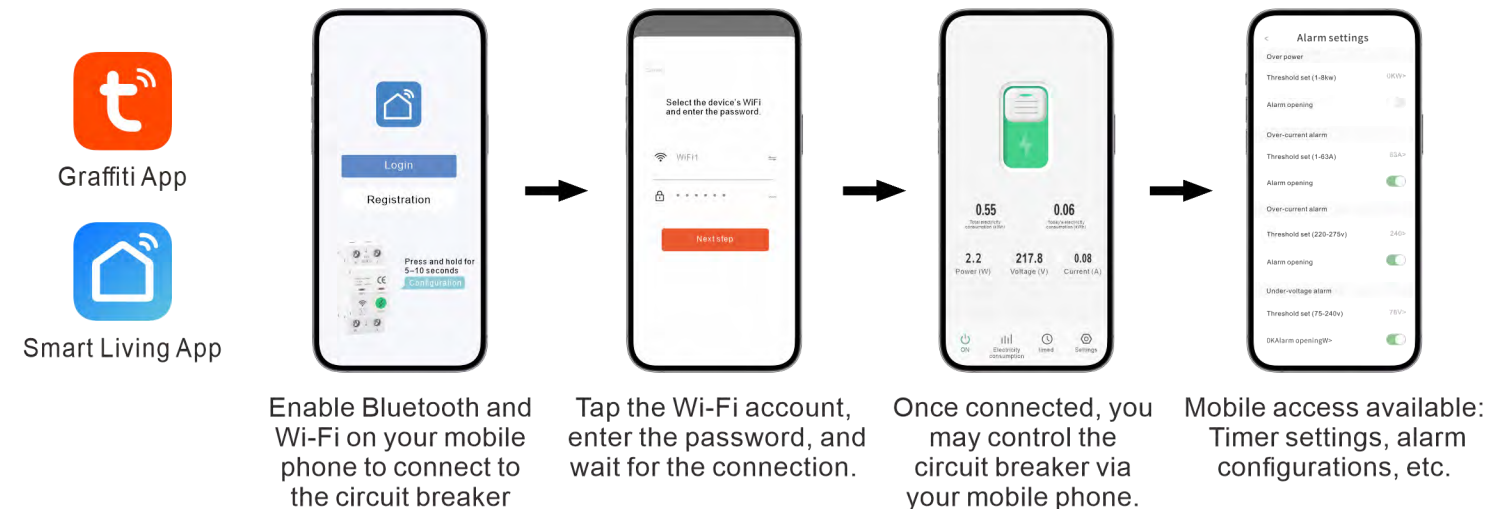
Product Name:	WIFI Earth Leakage Circuit Breaker	Current setting:	1-63A
Rated voltage:	AC 220V/110V	Protection rating:	400V
Withstand voltage:	AC 80V-300V	Grade:	IP30
wireless network:	Tuya Smart	Scope of leakage:	10-99mA
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Undervoltage range:	75-210V	Humidity:	<50%at40°C(non-condensing)
Electric power range:	0-9999kW·h	Electrical life:	10000times
Scheduled settings:	15 sets of timed settings	Maximum power:	15KW
Product dimensions:	36*85*65mm	Packing quantity:	100only
Box dimensions:	450*150*415mm	Box weight:	18KG

Features

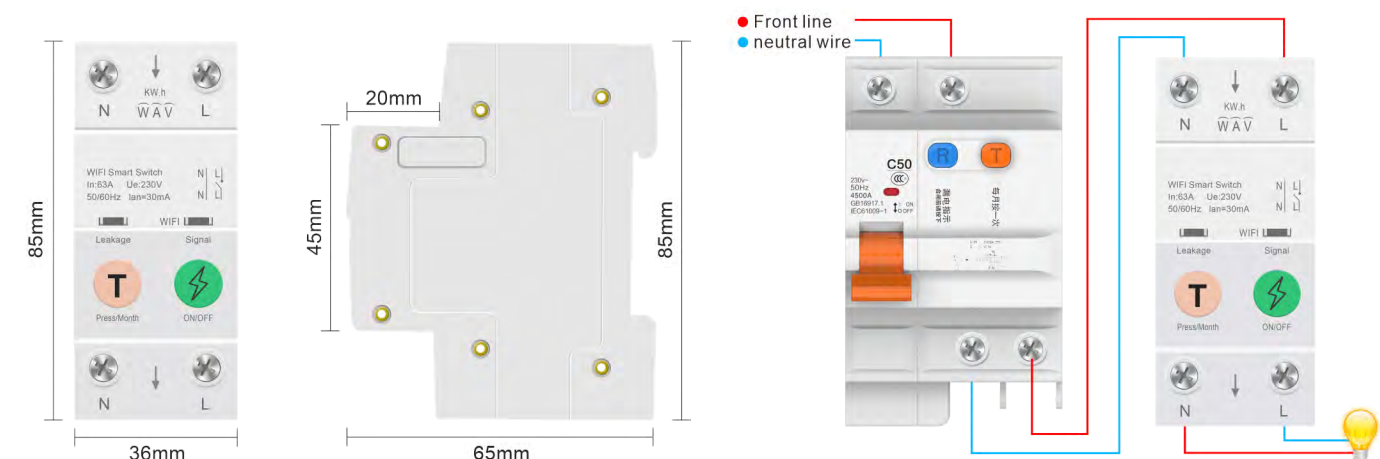
- 1 Graffiti Network Global Reach**
 - Control your devices worldwide via the doodle application
- 2 High-precision metrology chip**
 - Guardian of precision measurement
- 3 Large capacity**
 - Capable of stable operation under high current loads, with rapid response to overspeed conditions.
- 4 Earth leakage protection**
 - Earth leakage protection, precisely monitors leakage current, instantly cuts power to prevent electric shock

Distribution network configuration steps

- Method for connecting to Wi-Fi or performing a reset: Press and hold the power button on the device for 5-10 seconds until the Wi-Fi indicator light flashes. Enable Bluetooth on your mobile phone, then open the Smart Life app. Tap the '+' icon in the top-right corner, select 'Add Device', and wait for the device to appear in the scan. Tap the device, select the desired Wi-Fi network, enter the password, and wait for the device to successfully connect.



Dimensions and Wiring



Over- and Undervoltage Protector



Function Overview

- Overvoltage and Undervoltage Protector is a multifunctional monitoring and protection instrument. It integrates current display, voltage display, overvoltage protection, undervoltage protection, and overcurrent protection. It can be used to monitor critical parameters (voltage, current) within power supply systems, safeguarding electrical equipment from potential hazards. Should abnormal conditions arise during circuit operation, it promptly issues an alarm signal. This enables the control system to implement appropriate corrective measures before machinery sustains further damage. Consequently, machinery, equipment, and systems receive maximum protection, enhancing operational efficiency while reducing maintenance costs and downtime.



LED display



Numerically adjustable



Automatic Reclosing



Simple wiring



Quality Assurance



flame retardant



Precise measurement



Overvoltage protection



Undervoltage protection



Overcurrent protection

Principal Technical Parameters

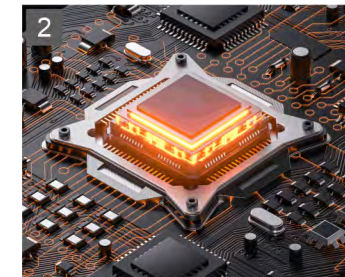
Product Name:	Over-and Undervoltage Protector	Current setting:	1-63A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand voltage:	AC 80V-300V	Protection rating:	IP30
Display mode:	LED display tube	Control method:	Manual/Automatic
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Undervoltage range:	75-210V	Humidity:	<50%at40°C(non-condensing)
Installation method:	Guide rail installation	Electrical life:	10000times
Power-on protection:	1-30 seconds	Maximum power:	15KW
Product dimensions:	37*85*65mm	Packing quantity:	100only
Box dimensions:	400*250*400mm	Box weight:	16.5KG

Features



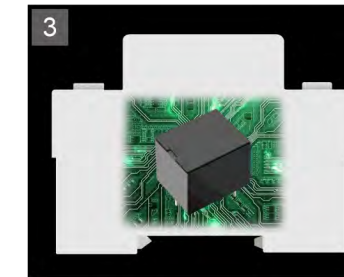
Smart Protection for Voltage Issues

- Protection threshold freely adjustable
- Equipment safety assured



High-precision metrology chip

- Guardian of precision measurement



Large capacity

- Capable of stable operation under high current loads, with rapid response to overspeed conditions.

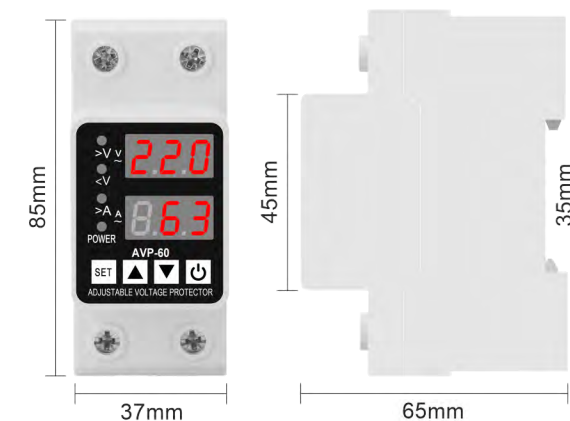


Pa66+ flame-retardant material

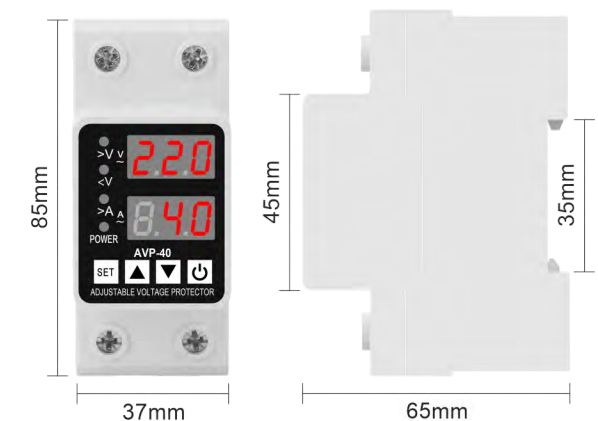
- The use of thermally stable materials in circuit breakers provides exceptional high-temperature resistance.

Size Guide

60A

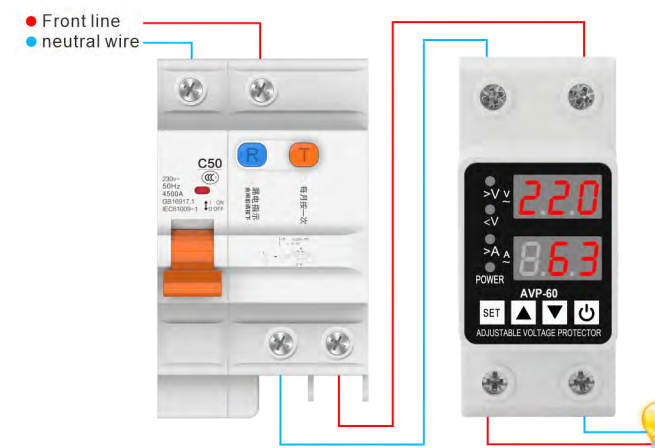


40A

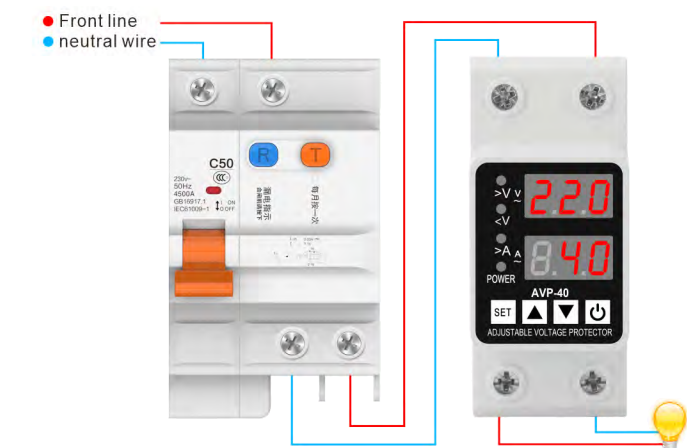


Wiring demonstration

60A



40A



Over/Under Voltage Electric Meter



Function Overview

- The triple-display overvoltage and undervoltage energy meter serves as a multifunctional monitoring and protection instrument. It integrates current display, voltage display, energy display, overvoltage protection, undervoltage protection, and overcurrent protection. This device monitors critical parameters (voltage, current) within power supply systems, safeguarding electrical equipment from potential hazards. Should abnormal conditions arise during circuit operation, it promptly issues an alarm signal. This enables the control system to implement appropriate measures before machinery sustains further damage, thereby maximising protection for equipment and systems. This enhances the effectiveness of machinery, equipment, and systems while reducing maintenance costs and downtime.



LED display



Numerically adjustable



Electricity metering



Automatic Reclosing



Simple wiring



Quality Assurance



flame retardant



Overvoltage protection



Undervoltage protection

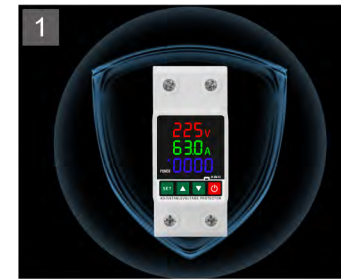


Overcurrent protection

Principal Technical Parameters

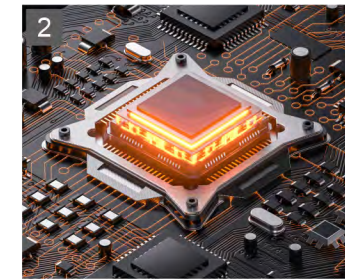
Product Name:	Over-Under Voltage Power Meter	Current setting:	1-63A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand voltage:	AC 80V-300V	Protection rating:	IP30
Display mode:	LED display tube	Electric power range:	0-99999kw/h
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Undervoltage range:	75-210V	Humidity:	<50%at40°C(non-condensing)
Installation method:	Guide rail installation	Electrical life:	10000times
Power-on protection:	1-30 seconds	Maximum power:	15KW
Product dimensions:	37*85*65mm	Packing quantity:	100only
Box dimensions:	400*250*400mm	Box weight:	16.5KG

Features



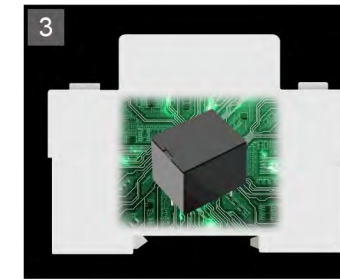
Smart Protection for Voltage Issues

- Protection threshold freely adjustable
- Equipment safety assured



High-precision metrology chip

- Guardian of precision measurement



Large capacity

- Capable of stable operation under high current loads, with rapid response to overspeed conditions.



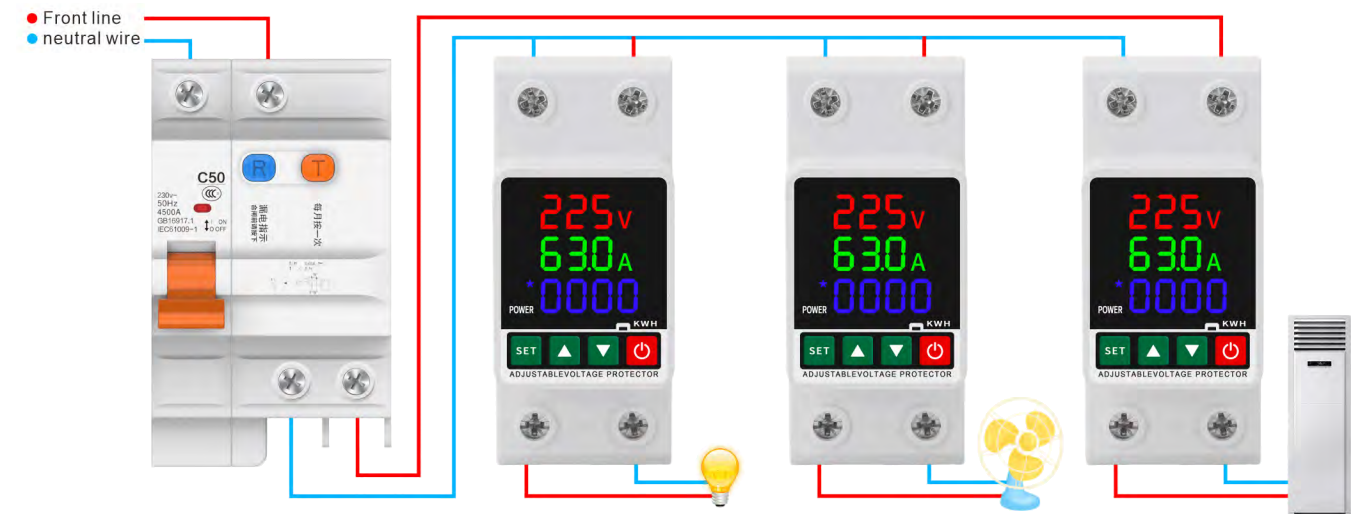
Pa66+ flame-retardant material

- The use of thermally stable materials in circuit breakers provides exceptional high-temperature resistance.

Size Guide



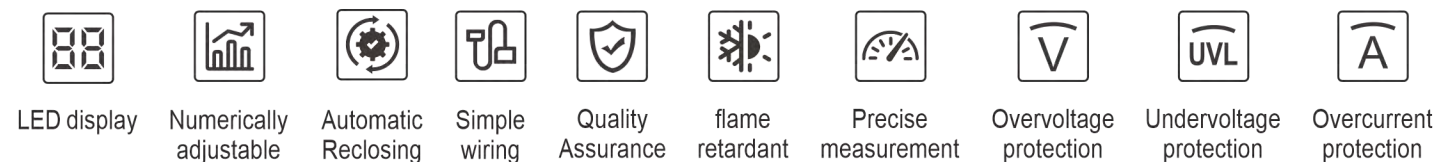
Wiring demonstration



Over- and Undervoltage Protector

Function Overview

- The Six-Display Overvoltage and Undervoltage Protector is a multifunctional monitoring and protection instrument for power systems or electrical equipment. It integrates three-phase voltage display, three-phase current display, overvoltage protection, and undervoltage protection. It monitors critical parameters (voltage, current, overvoltage, undervoltage, overload) within three-phase power supply systems. Upon detecting potential hazards to the three-phase power system or abnormal conditions affecting equipment safety and reliable operation, it promptly issues alarm signals. This enables the control system to implement appropriate corrective actions before machinery sustains further damage, thereby maximising protection for equipment and systems. Consequently, maintenance costs and downtime resulting from three-phase system faults are significantly reduced.

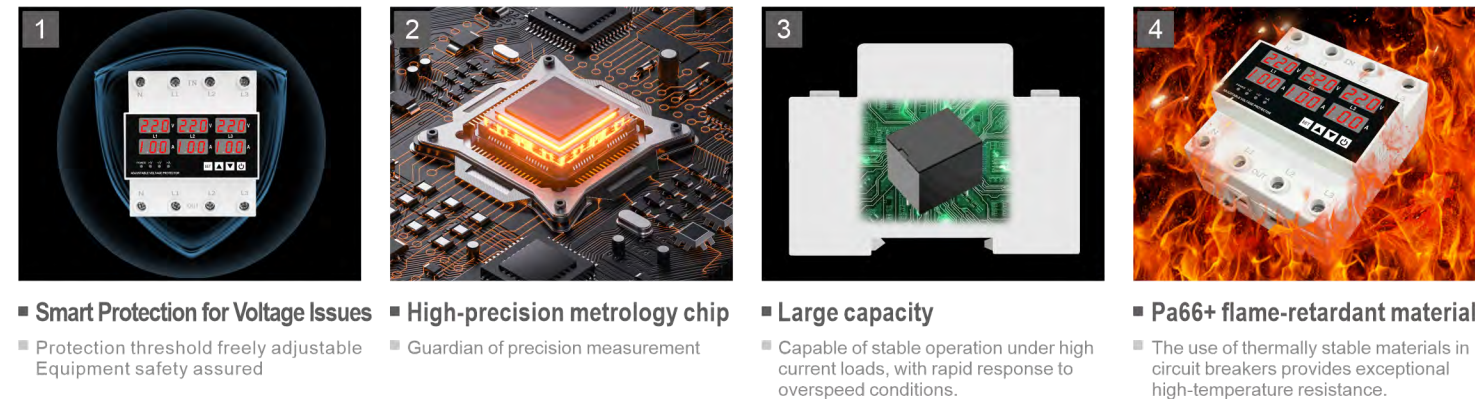


Principal Technical Parameters

Product Name:	Over-and Undervoltage Protector	Current setting:	1-63/100A
Rated Voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand Voltage:	AC 80V-300V	Temperature range:	-40°C-150°C
Frequency:	50/60Hz	Altitude:	≤2000m
Overvoltage Range:	130-300V	Humidity:	<50%at40°C(non-condensing)
Undervoltage Range:	75-210V	Electrical life:	10000times
Mounting Method:	Guide rail installation	Maximum power:	15KW
Product Dimensions:	90*67*95mm (63A)	Packing quantity:	40only (63A)
Box dimensions:	400*215*400mm (63A)	Box weight:	17KG (63A)
Product Dimensions:	90*67*105mm (100A)	Packing quantity:	30only (100A)
Box dimensions:	500*240*400mm (100A)	Box weight:	14KG (100A)



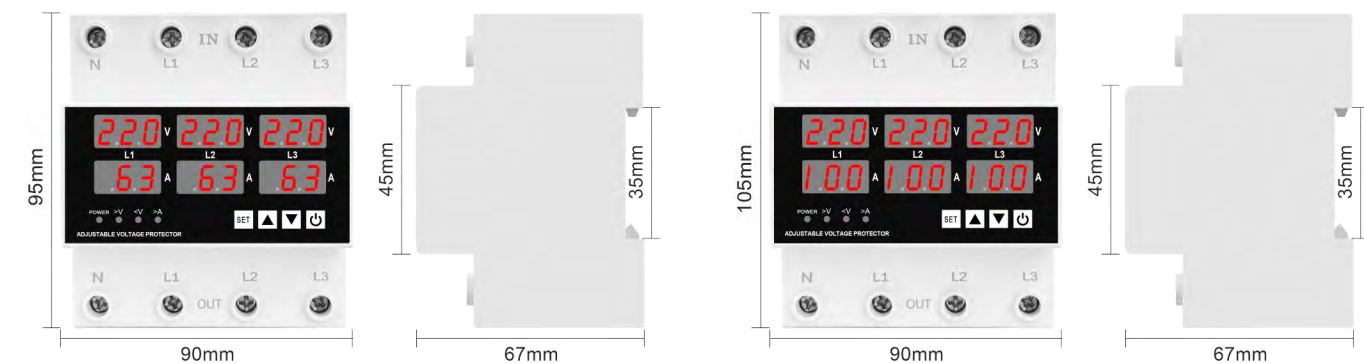
Features



Size Guide

63A

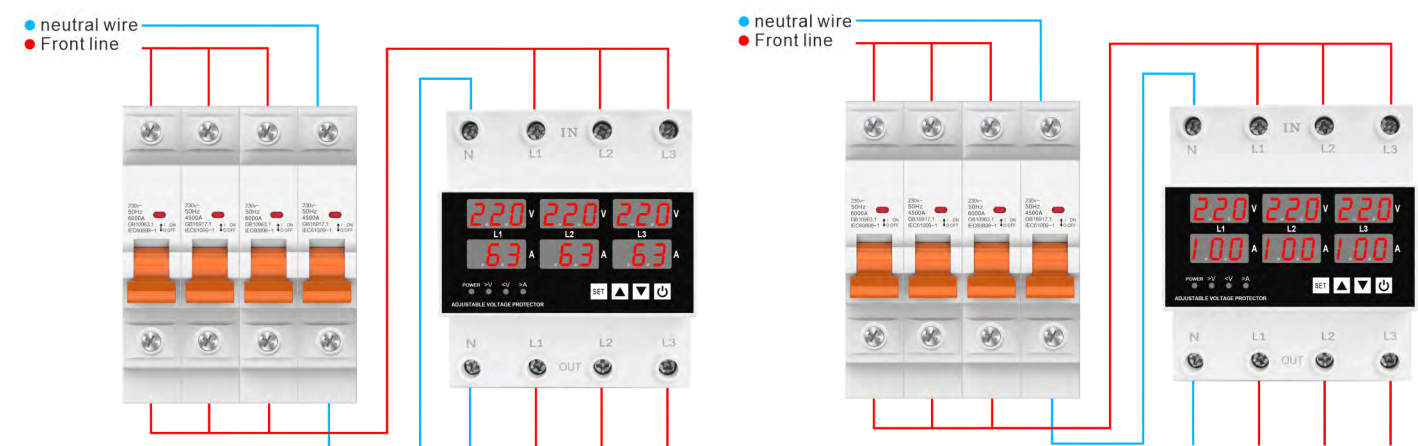
100A



Wiring demonstration

63A

100A



Limited Current Protector



Function Overview

- A current-limiting protector is a protective device designed to restrict the magnitude of current within a circuit. Its operation is primarily based on the thermal effect of electric current. When the current in a circuit exceeds a pre-set safety threshold, the current-limiting protector rapidly interrupts the circuit's current flow. This prevents electrical equipment damage, fires, and other safety incidents caused by excessive overcurrent. It can precisely limit current to the set value, unlike conventional fuses which completely interrupt the circuit once blown. This makes it better suited for applications requiring continuous power supply while avoiding overcurrent hazards, such as emergency operating states in certain industrial equipment.



LED display



responsive



long life



Simple wiring



Quality Assurance



flame retardant



Precise measurement



Overcurrent protection

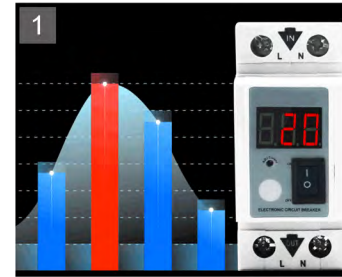


Overload protection

Principal Technical Parameters

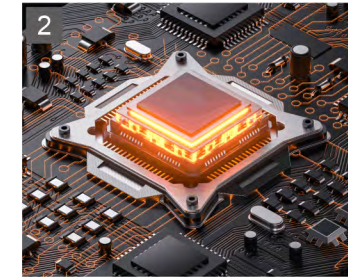
Product Name:	Limited Current Protector	Current setting:	1-20/40A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand voltage:	AC 80V-300V	Protection rating:	IP30
Display mode:	LED display tube	Control method:	Manual/Automatic
Frequency:	50/60Hz	Altitude:	≤2000m
Installation method:	Guide rail installation	Humidity:	<50%at40°C(non-condensing)
Power-on protection:	1-30 seconds	Electrical life:	10000times
Temperature range:	-40°C-150°C	Maximum power:	10KW
Product dimensions:	37*85*65mm	Packing quantity:	100only
Box dimensions:	400*250*400mm	Box weight:	16.5KG

Features



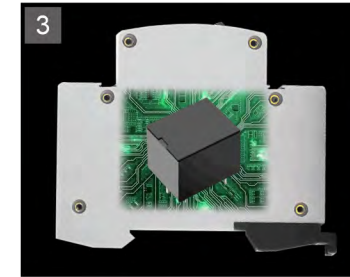
Current may be set independently

- Power status: Set current manually; automatically disconnects when exceeding the current setting.



High-precision metrology chip

- Guardian of precision measurement



Large capacity

- Capable of stable operation under high current loads, with rapid response to overspeed conditions.



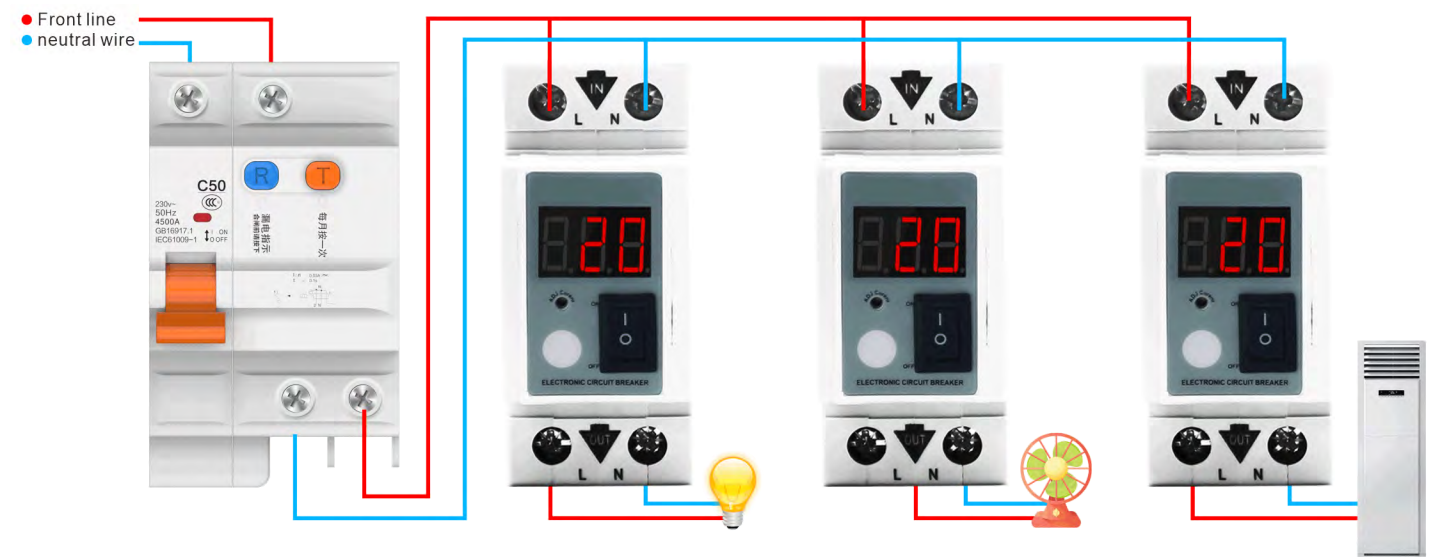
Pa66+ flame-retardant material

- The use of thermally stable materials in circuit breakers provides exceptional high-temperature resistance.

Size Guide



Wiring demonstration

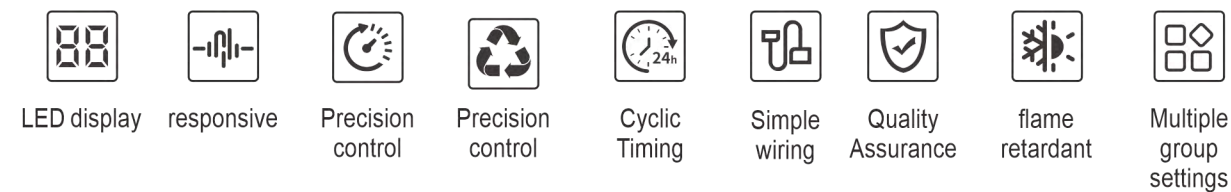


Time-controlled switch



Function Overview

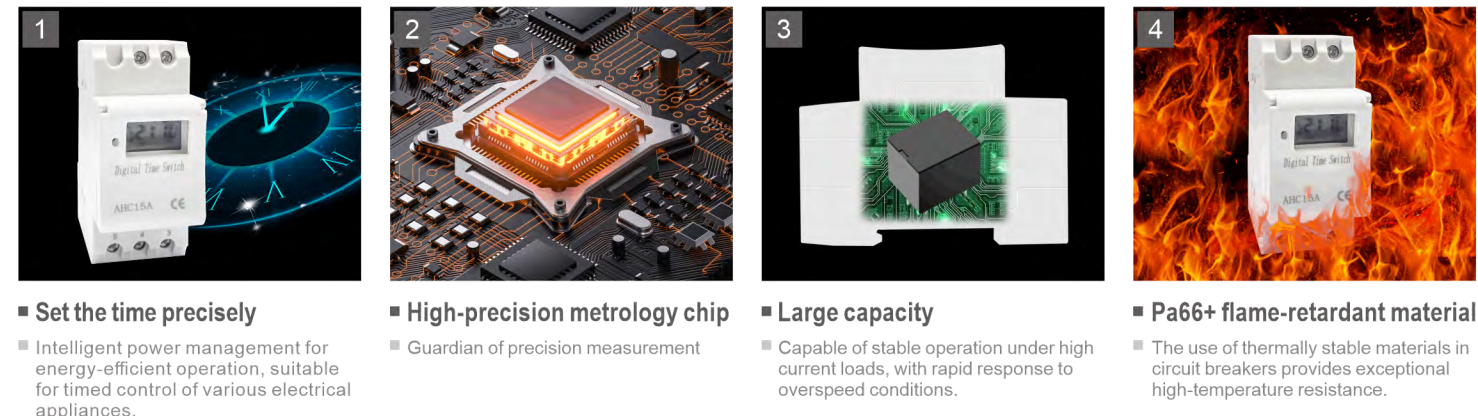
- The rail-mounted micro-time control switch is a multifunctional control device integrating time control, signal control and motor protection functions. It supports both cyclic timer (repeatable triggering) and single-use timer (single triggering) modes, with timing accuracy reaching ± 1 second. By implementing preset time programmes, it enables automatic switching of electrical power supplies for controlled objects including streetlights, production equipment and domestic appliances.



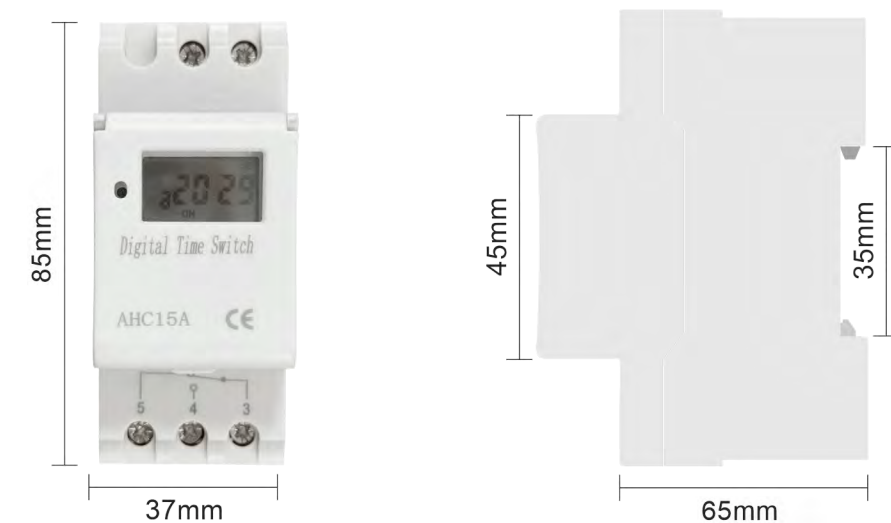
Principal Technical Parameters

Product Name:	Time-controlled switch	Current setting:	1-15/30A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand voltage:	AC 80V-300V	Protection rating:	IP30
Installation method:	Guide rail installation	Executive body:	Relay
Frequency:	50/60Hz	Temperature range:	-40°C-150°C
Overvoltage range:	130-300V	Altitude:	≤2000m
Battery life:	180 days	Humidity:	<50%at40°C(non-condensing)
Battery installation:	Built-in lithium battery	Electrical life:	10000times
Scheduled settings:	16 sets of timed settings	Maximum power:	15KW
Product Dimensions:	37*85*65mm	Packing quantity:	100only
Box dimensions:	400*250*400mm	Box weight:	15KG

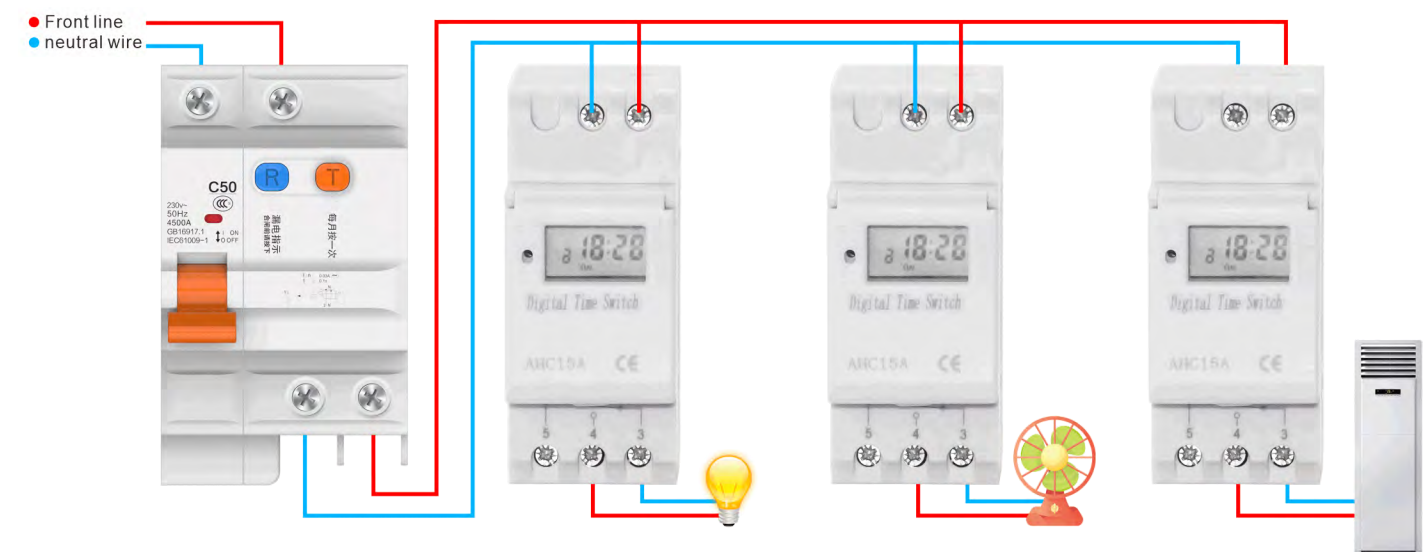
Features



Size Guide



Wiring demonstration



Time-controlled switch

Function Overview

■ **KG316T Microcomputer Intelligent Time-Control Switch.** This device automates the switching of electrical power supplies via preset time programmes, controlling objects including street lighting, production equipment and domestic appliances. Suitable for ambient temperatures ranging from -5°C to +40°C, it supports vertical or horizontal installation. Core functions encompass multiple daily switching action settings, weekly/daily cycle mode switching, and keyboard lockout to prevent erroneous operation. Capable of directly controlling loads up to 6kW. An integrated charging system ensures continuous operation following power outages, with daily time deviation less than 0.5 seconds. Power supply voltage fluctuations are accommodated within 85%-110% of the rated value. Avoid exposure to severe vibration, corrosive environments, and direct contact with rain or snow.



LED display

responsive

Precision control

Precision control

Cyclic Timing

Simple wiring

Quality Assurance

flame retardant

Multiple group settings

Principal Technical Parameters			
Product Name:	Time-controlled switch	Current setting:	1-15/30A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Withstand voltage:	AC 80V-300V	Temperature range:	-40°C-150°C
Installation method:	Guide rail installation	Altitude:	≤2000m
Frequency:	50/60Hz	Scheduled settings:	16 sets of timed settings
Overvoltage range:	130-300V	Humidity:	<50%at40°C(non-condensing)
Battery life:	180times	Maximum power:	15KW
Product Dimensions:	75*115*55mm (316T)	Packing quantity:	60only (316T)
Box dimensions:	430*280*420mm (316T)	Box weight:	20KG (316T)
Product Dimensions:	55*100*45mm (316A)	Packing quantity:	120only (316A)
Box dimensions:	430*280*420mm (316A)	Box weight:	18KG (316A)

Features

1

2

3

4

■ Set the time precisely

■ Intelligent power management for energy-efficient operation, suitable for timed control of various electrical appliances.

■ High-precision metrology chip

■ Guardian of precision measurement

■ Large capacity

■ Capable of stable operation under high current loads, with rapid response to overspeed conditions.

■ Pa66+ flame-retardant material

■ The use of thermally stable materials in circuit breakers provides exceptional high-temperature resistance.

Size Guide

KG316A

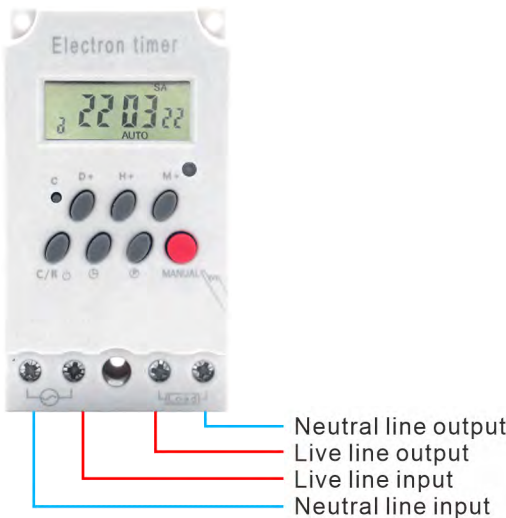


KG316T

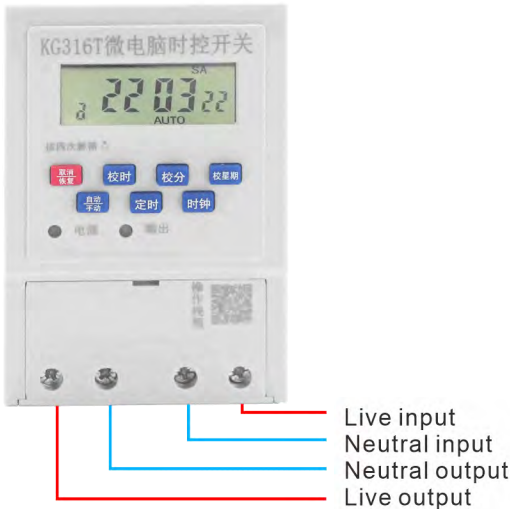


Wiring demonstration

KG316A



KG316T



dual power supply

Function Overview



The ATS dual-power automatic transfer switch, functioning as an actuator, incorporates a microcontroller-based automatic controller and a control mechanism with electromechanical interlocking. Employing electromagnetic drive technology, it enables rapid live switching between two power sources. Utilised in emergency power supply systems, this switchgear automatically transfers load circuits from one power source to another (standby) source, ensuring continuous and reliable operation of critical loads. Employing dual-row composite contacts, transmission mechanisms, micro-motor pre-energisation, and microelectronic control technology, it achieves virtually zero arc flash. Upon fault resolution, it automatically resumes operation, significantly extending the switch's service life.

- 
Quick Switch
- 
Manual/ Automatic
- 
At one's own risk
- 
long life
- 
Simple wiring
- 
Quality Assurance
- 
flame retardant
- 
Overvoltage protection
- 
Undervoltage protection

Principal Technical Parameters

Product Name:	Dual-power switch	Current range:	1-125A
Rated voltage:	AC 220V/110V	Insulation voltage:	400V
Conversion method:	Manual/Automatic	Control method:	Manual/Automatic
Frequency:	50/60Hz	Altitude:	≤2000m
Conversion mechanism:	Motor conversion	Humidity:	<50%at40°C(non-condensing)
Temperature range:	-40°C-150°C	Electrical life:	10000 times
Installation method:	Guide rail	Maximum power:	15KW
Product dimensions:	145*77*97mm (4P)	Packing quantity:	12只only (4P)
Box dimensions:	460*220*185mm (4P)	Box weight:	8.5KG (4P)
Product dimensions:	108*97*77mm (2P)	Packing quantity:	18only (2P)
Box dimensions:	360*220*270mm (2P)	Box weight:	9.5KG (2P)

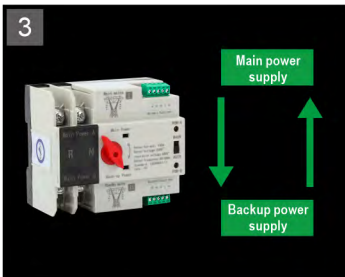
Features



Quick Switch
Manual/automatic switching between dual power sources ensures continuous and stable electricity supply



High-precision metrology chip
Guardian of precision measurement



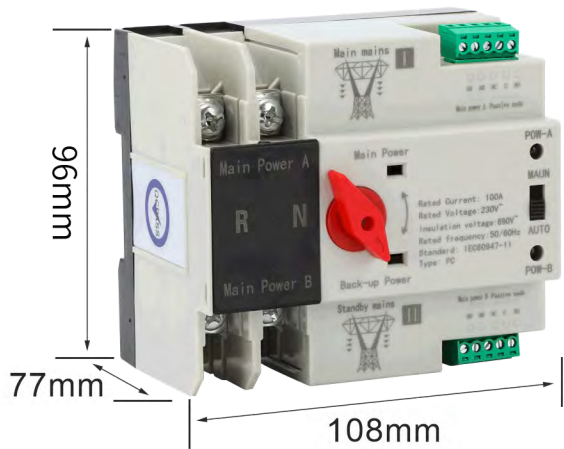
At one's own risk
Fully automatic self-reset operation, Seamless switching ensures uninterrupted power supply, Reliable and requiring no supervision.



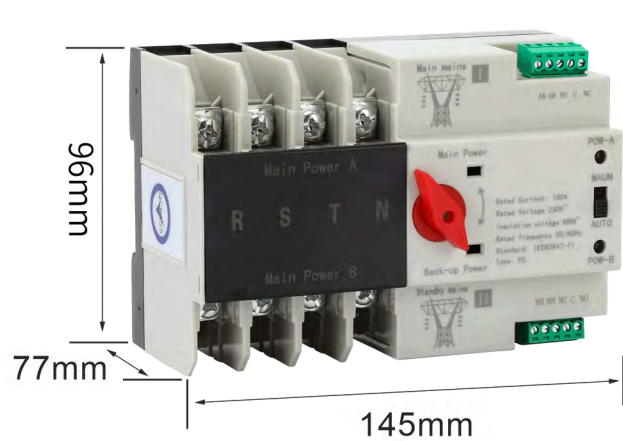
Pa66+ flame-retardant material
The use of thermally stable materials in circuit breakers provides exceptional high-temperature resistance.

Size Guide

2P

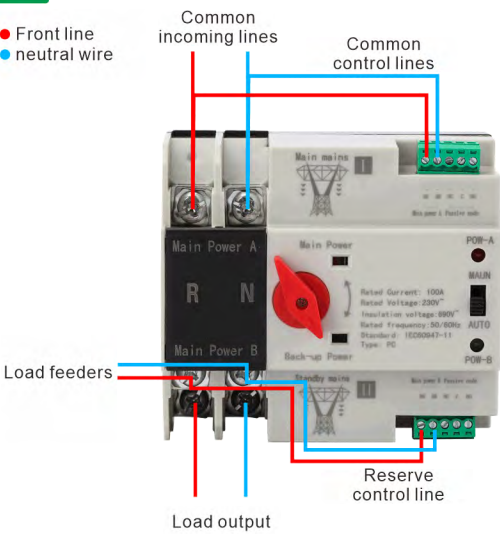


4P

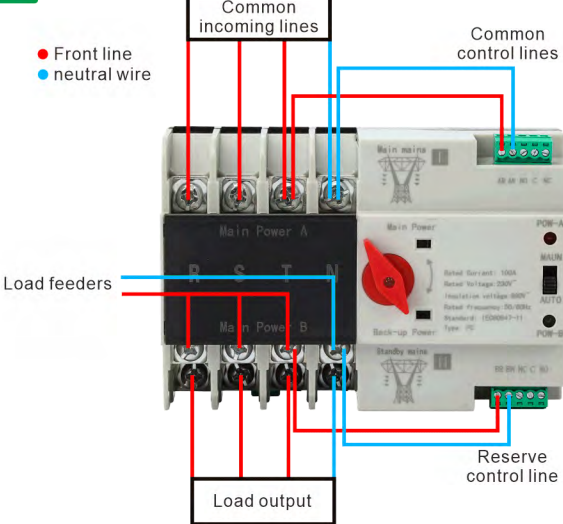


Wiring demonstration

2P



4P



Aerosol Fire Extinguisher for Switchgear



General

The new type S Aerosol Fire Extinguisher for Switchgear features ultra-high fire suppression efficiency. It offers a compact design, does not require pressurized storage or piping installation, and is easy to maintain, ensuring user convenience. The device provides fast and effective fire suppression, non-toxicity, safety, reliability, and environmental friendliness. It is particularly suitable for extinguishing initial fires in relatively enclosed small spaces such as power distribution cabinets, motor compartments, and compressors.

Fire-Extinguishing Mechanism

The fire-extinguishing mechanisms of fire extinguishing agents mainly include isolation, suffocation, cooling, and chemical inhibition. Different fire extinguishing agents have different fire-extinguishing mechanisms. The fire-extinguishing mechanism of the type S hot aerosol fire extinguishing agent is mainly reflected in two aspects: on one hand, the cooling effect caused by endothermic decomposition; on the other hand, the chemical inhibition effect in the gas phase and solid phase. These two aspects work together to achieve fire-extinguishing. In addition, the gas-phase components in the products of the aerosol fire extinguishing agent also play a certain auxiliary role.

Technical data

Parameter Name	Specific Content	Parameter Name	Specific Content
Model Specification	D0.01G/S-QR	Fire Extinguishing Agent Quantity	10g
Operating Temperature Range	-50°C~+90°C	Relative Humidity of Operating Environment	≤95%RH
Protected Space	≤0.1m³	Service Life	10 years
Fire-Extinguishing Density	100g/m³	Enclosure Surface Temperature	200°C
Oxidizer and Its Content	Sr(NO ₂) ₂ 60%/KNO ₂ 20%		
Executive Standard	XF499.1-2010		
Thermal Clearance	0.3m ≤ 75°C; 0.12m ≤ 200°C; 0.05m ≤ 400°C		
Installation Method	Adhesive Installation and Guide Rail Installation		

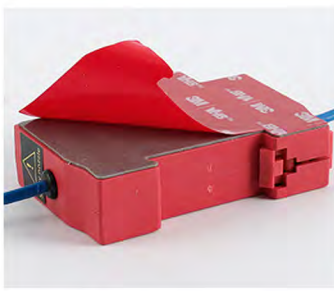
Features



Fire or temperature >170°C triggers fire suppression

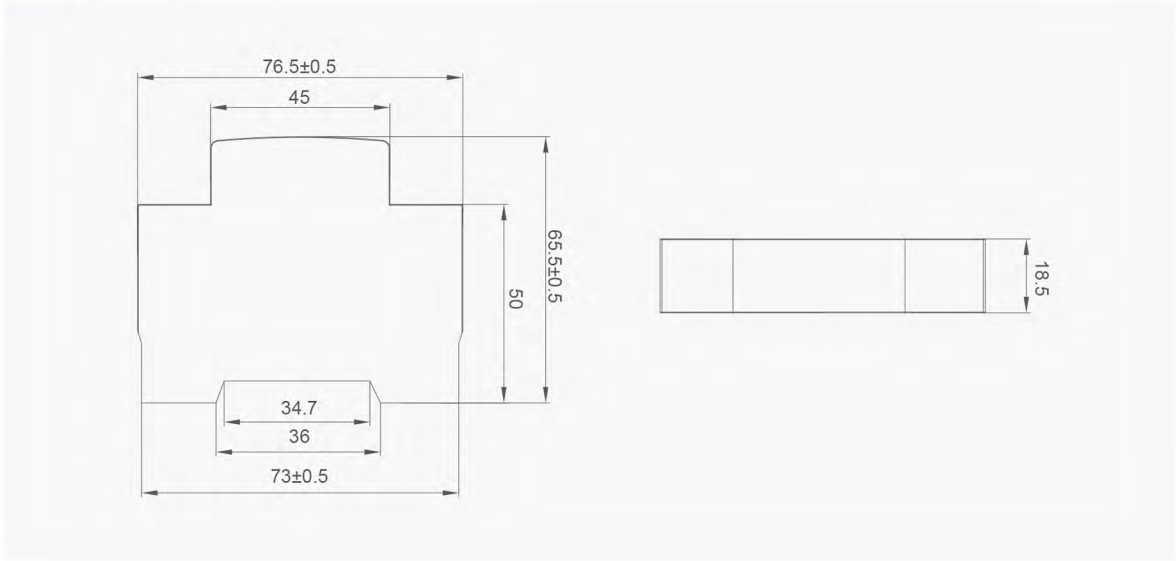


Side dual spray structure, smoke quickly spreads to every corner
Quick fire extinguishing



Using 3M adhesive and guide rails to fix the distribution box at any position

Size Guide



Multi-scenario use



Complete distribution cabinet



distribution box



control cabinet



solar street light



factory



equipment



residential complex

Let our flag fly along the yellow river
and all over the world!

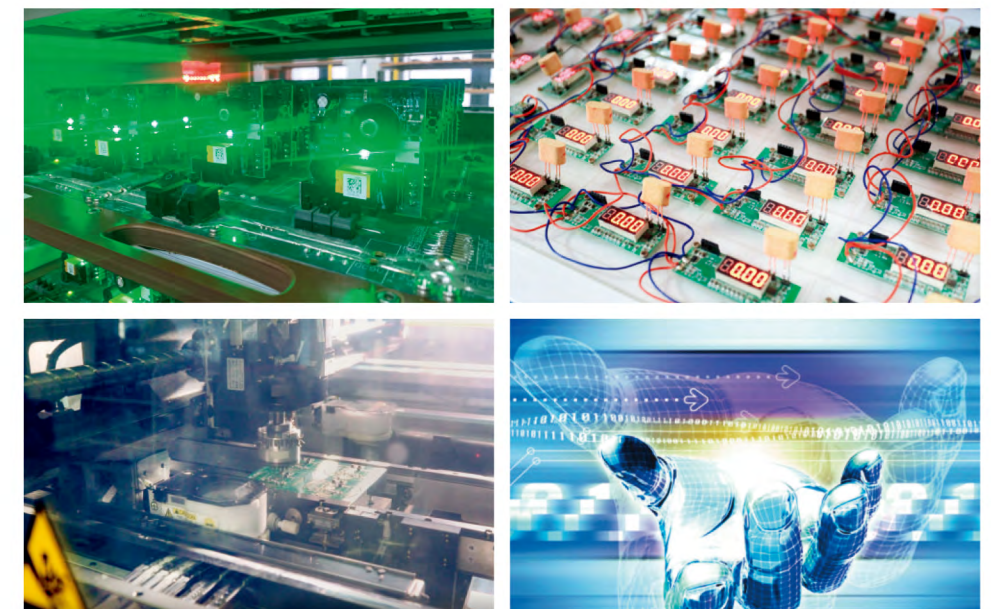
www.pesv.com



Professional Equipment & Safety Values

In PESV

- We act with Professional Rigor
- Every piece of equipment matters
- Safety is our bottom line
- We create value through service



International Cooperation.
Win Together!