

# HOCH



Smart area Smart life  
Shift the future



## Brief introduction

Established in 1990, HOCH Group Co., Ltd. is a multiplex industrial group engaged in providing low-voltage electric appliances, electronic products and parts, 3-star hotel service, investment and trade service, and modern furniture.

The group now govern 7 specialized companies, more than 300 specialized cooperation companies, and 2,000 staff. The factory covers an area of 30,000 square meters. Also, our group owns a 3-star hotel. It is unique in Liushi Town. Moreover, we have the best team doing import-export business for group. The products are sold to more than 30 countries all over the world. It is specialized in AC contactors, kilowatt-hour meters and OEM mould development, fingerprint applicant systems, IC card systems, IP telephone series products, water treatment systems, modern furniture and daily necessities of more than 50 series, 200 varieties, and 2,000 kinds of specifications.

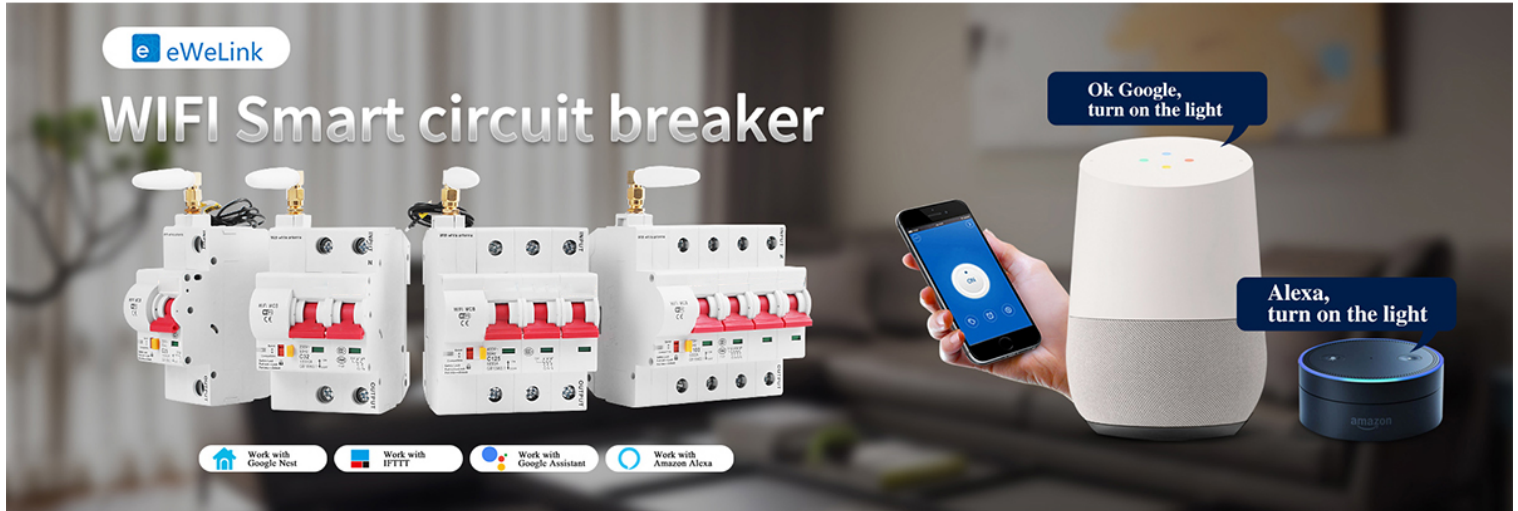
Technical with quality is one of the most important elements for our group's innovation and improvement. Our group has the abundant technical development strength and first-class examination equipment. Group has initially taken shape of technological development center for the main multi-level networks and development of open technical sets scientific research, education, training, integrating the development of "technology chain". In order to develop science and technology, our group explicitly stipulates that every year 5% income from the sale is used to develop science and technology. We have regular science and technology congress that will pride the personnel who devotes to scientific and technological development. We have built technical service center, which provides better and more specialized service for customers. In the list of our products, many items have passed through national new technology new product appraisal, and partial products were evaluated as provincial level science and technology item by the Provincial Science Committee, and we have applied for and registered some patents in the national patent office.

Presently, we are looking forward to even greater cooperation with overseas customers based on mutual benefits. Please feel free to contact us for more details.



# Products Catalogue

2-4	eWelink WIFI circuit breaker
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9-12	eWelink leakage protection WIFI circuit breaker
13-17	eWelink monitoring leakage protection WIFI breaker
18-20	Tuya/Smart life WIFI circuit breaker
21-24	Tuya monitoring WIFI circuit breaker
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29-33	Tyua monitoring leakage protection WIFI breaker
34-36	RCBO RS485 Auto-reclosing circuit breaker
37	RS485 circuit breaker
38	Temperature and humidity WIFI circuit breaker
39	RF remote control circuit breaker
40	RS485 DC circuit breaker
41	Tripping Curve



### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
- It mainly function as isolating, overload protection, short-circuit protection, remote control, timer control, and voice control.
- It can cut off line and neutral wires by your phone simultaneously, and also can manual control like normal breaker.
- Work with Alexa, google home, IFTTT.

### Standard and approvals

- IEC60898-1
- GB10963.1
- CCC approvals

### Technical Parameters

- WIFI: 2.4G
- Rated voltage : 1P 2P 230V AC 3P 4P 400V AC
- Rated current: 10-125A
- Rated frequency: 50Hz
- Instant trigger form: C
- Breaking capacity: 6kA
- Installation category: 1, II
- Operating temperature:  $-25^{\circ}\text{C} \sim +65^{\circ}\text{C}$
- Temperature rise test:  $\leq 60\text{k}$
- Mechanical life: in line with GB10963.1  $\geq 10000$  times
- Electrical life: in line with GB10963.1  $\geq 6000$  times
- Rated impulse withstand voltage: 6000V

## Functions Area

1



### *Remote control*

Once you pairing our breaker with your WIFI , then you can use your mobile internet control it from any where

### *Voice control*

Voice control with Amazon Alexa and Google Assistant.

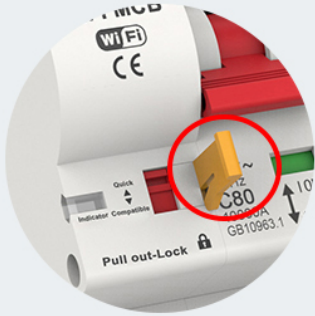
Simply say :Alexa,turn on the switch or Google turn on the light.

2



3

## Maintenance safety lock



Yellow maintenance safety lock,when maintenance the circuit,it's recommend to pull out to avoid the risks

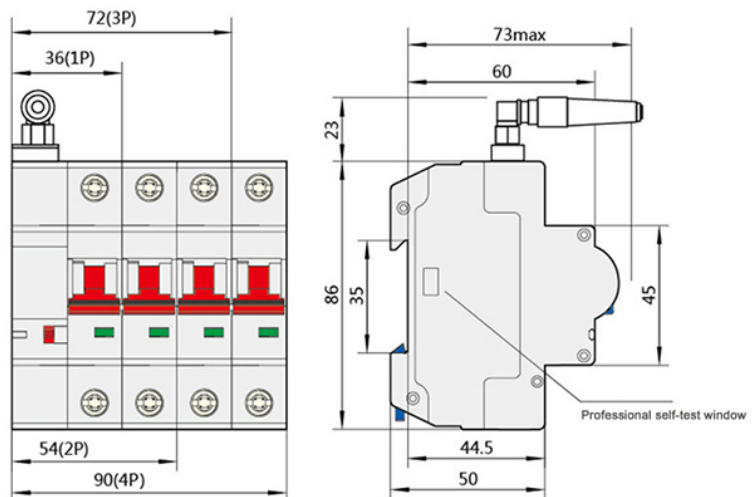
## Efficient control

4

One app can control 200pcs breaker, Operate more easily,high efficiency



## Dimension details



## eWelink energy monitoring WIFI circuit breaker

**The second generation with energy monitoring**

- ▶ Surge Protection
- ▶ Overload Protection
- ▶ Short circuit Protection
- ▶ Over Voltage Protection
- ▶ Under Voltage Protection

Work with Google Nest, Work with IFTTT, Work with Google Assistant, Work with Amazon Alexa

Ok Google, turn on the light

Alexa, turn on the light

### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
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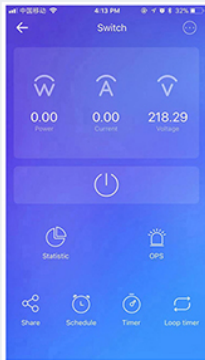
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- Electrical life: in line with GB10963.1 ≥ 6000 times
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## Functions Area

1

### *Energy monitoring*

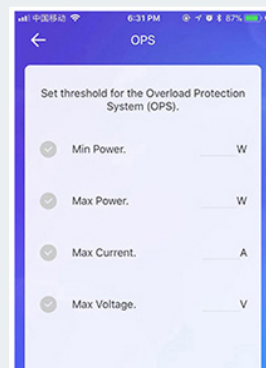


Check the electricity consumption of the rental house through your phone anytime and any where

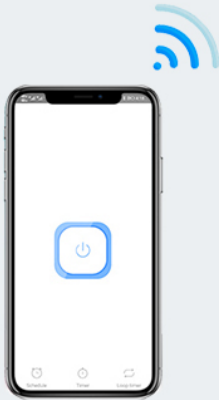
### *OPS Function*

2

Preset the power/current/voltage threshold values by app, Once the real-time power/current/voltage reaches the threshold values, the connected electrical appliance will be automatically turned off



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## Remote control

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## Voice control

Voice control with Amazon Alexa and Google Assistant.

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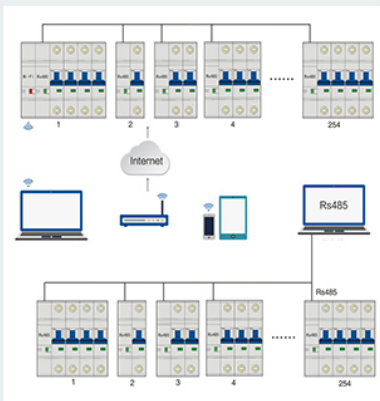
4

Ok Google, turn on the light

Alexa, turn on the light



5



## RS485/Modbus control

The data can be transmitted by wire, and our breaker can be controlled by PC,More stable.

## Efficient control

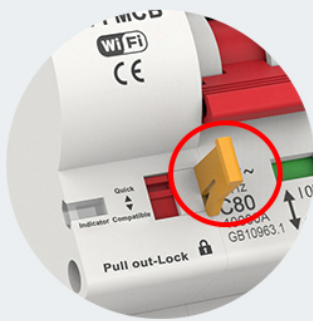
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One app can control 200pcs breaker,  
Operate more easily,high efficiency



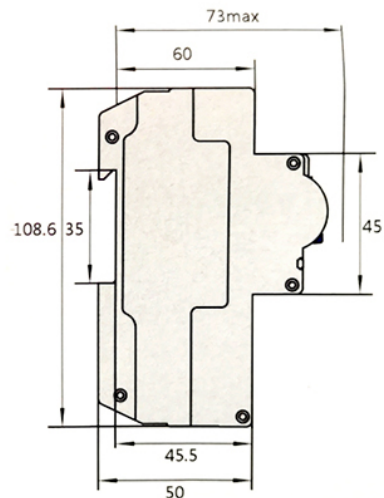
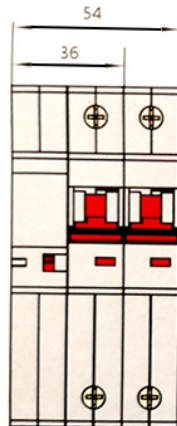
7

## Maintenance safety lock



Yellow maintenance safety lock,when  
maintenance the circuit,it's recommend  
to pull out to avoid the risks

## Dimension details



## eWelink leakage protection WIFI circuit breaker



### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
- It mainly function as isolating, overload protection, short-circuit protection, leakage protection, remote control, timer control, and voice control.
- It can cut off line and neutral wires by your phone simultaneously, and also can manual control like normal breaker.
- Work with Alexa, google home, IFTTT.

### Standard and approvals

- IEC60898-1
- GB10963.1
- CCC approvals

### Technical Parameters

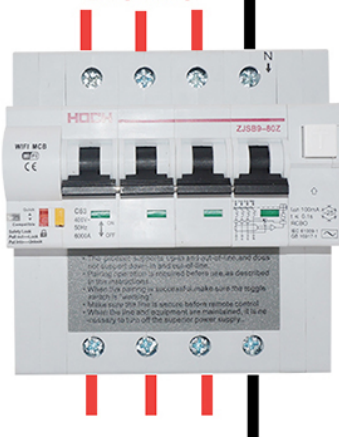
- WiFi: 2.4G
- Rated voltage : 2P 230V AC 4P 400V AC
- Rated current: 10-100A
- Rated frequency: 50Hz
- Instant trigger form: C
- Breaking capacity: 6kA
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Neutral Wire  
Live Wire



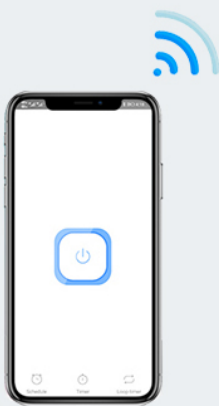
Neutral Wire

Live Wire



## Functions Area

1



### *Remote control*

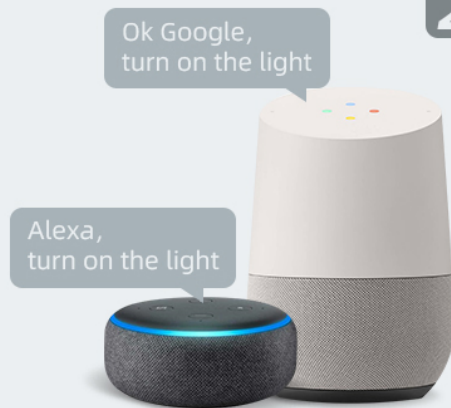
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### *Voice control*

Voice control with Amazon Alexa and Google Assistant.

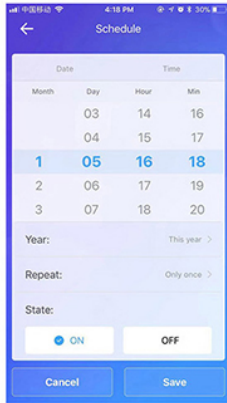
Simply say :Alexa,turn on the switch or Google turn on the light.

2



3

## Smart timing



You can set switching time of electric appliance without manual operation.

## Efficient control

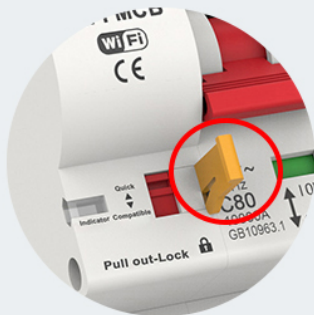
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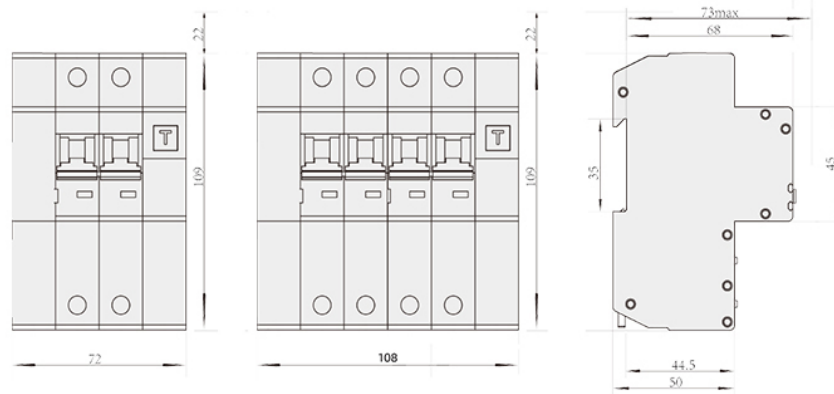
5

## Maintenance safety lock



Yellow maintenance safety lock, when maintenance the circuit, it's recommend to pull out to avoid the risks

## *Dimension details*



## eWelink monitoring leakage protection WIFI breaker

**WIFI Smart RCBO with Energy Monitoring**

- ▶ Leakage current protection
- ▶ Surge Protection
- ▶ Overload Protection
- ▶ Short circuit Protection
- ▶ Over Voltage Protection
- ▶ Under Voltage Protection

Ok Google, turn on the light

Alexa, turn on the light

Work with Google Nest | Work with IFTTT  
Work with Google Assistant | Work with Amazon Alexa

### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
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- Work with Alexa, google home, IFTTT.

### Standard and approvals

- IEC60898-1
- GB10963.1
- CCC approvals

### Technical Parameters

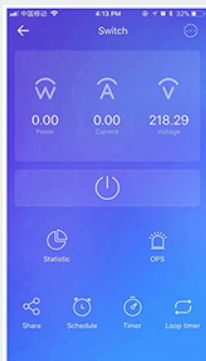
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## Functions Area

1

### *Energy monitoring*

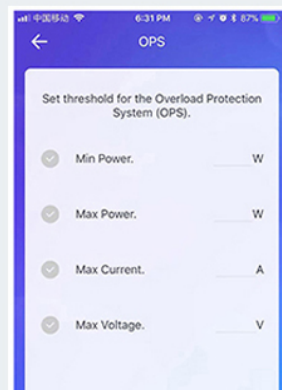


Check the electricity consumption of the rental house through your phone anytime and any where

### *OPS Function*

2

Preset the power/current/voltage threshold values by app, Once the real-time power/current/voltage reaches the threshold values, the connected electrical appliance will be automatically turned off



3

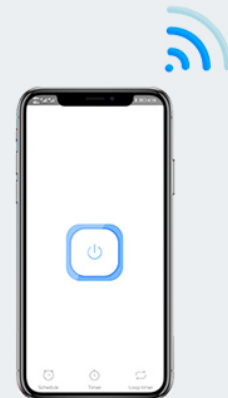
## Leakage current setting



Leakage current can customize 30mA 100mA 300mA for you.

## Remote control

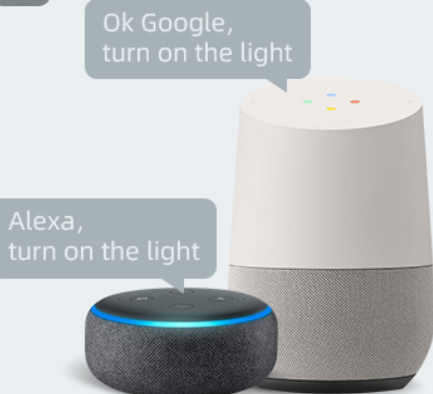
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4

5

## Voice control

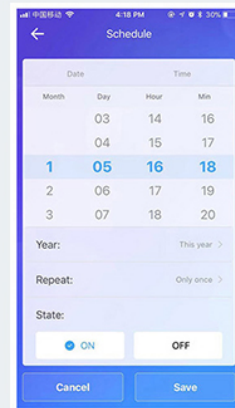


Voice control with Amazon Alexa and Google Assistant. Simply say :Alexa,turn on the switch or Google turn on the light.

## Smart timing

6

You can set switching time of electric appliance without manual operation.



7

## Efficient control

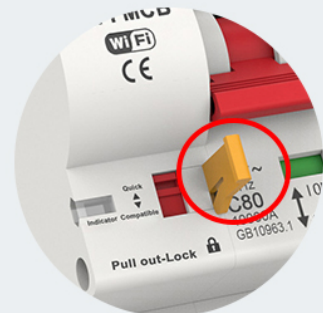


One app can control 200pcs breaker, Operate more easily, high efficiency

## Maintenance safety lock

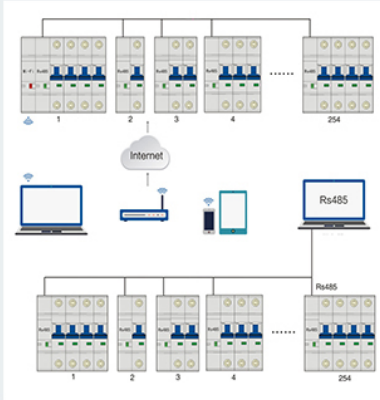
8

Yellow maintenance safety lock, when maintenance the circuit, it's recommend to pull out to avoid the risks



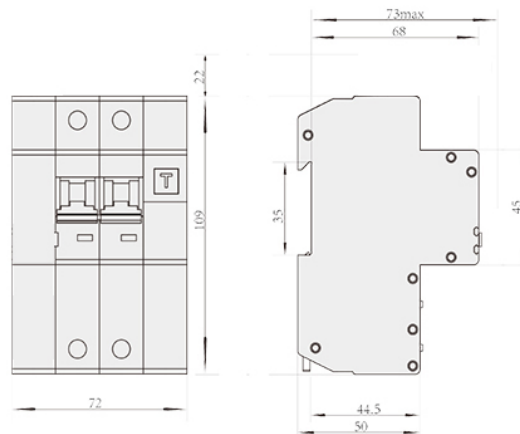
9

## RS485/Modbus control



The data can be transmitted by wire, and our breaker can be controlled by PC, More stable.

### Dimension details





### Application and Characteristics

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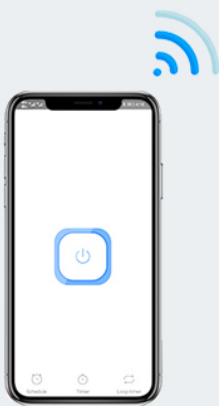
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### Technical Parameters

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1



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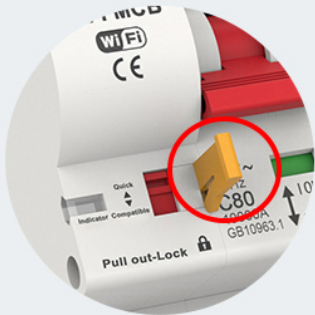
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**3**

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Yellow maintenance safety lock, when maintenance the circuit, it's recommend to pull out to avoid the risks

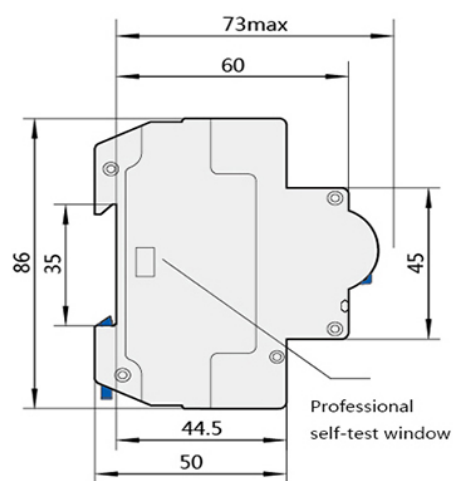
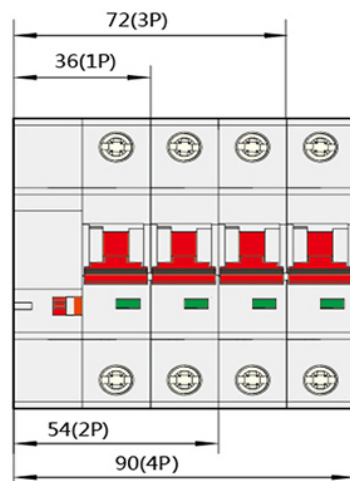
## Efficient control

**4**


One app can control 200pcs breaker, Operate more easily, high efficiency



## Dimension details



## Tuya monitoring WIFI circuit breaker



- When the device is faulty, the APP has an alarm notification
- Can set overvoltage, undervoltage, current, power threshold real-time voltage, current, and power reach the set value, and the device will automatically disconnect
- View yearly, monthly, daily, and hourly power consumption
- Set total KWH, use up, Device auto turn off.
- Can set the temperature of the device, prevent the device from burning due to overheating
- When the power is recovery, the device can maintain the state before the power failure
- Kid lock function. Prevent children from misuse
- It can count forward power and reverse power separately

### Application and Characteristics

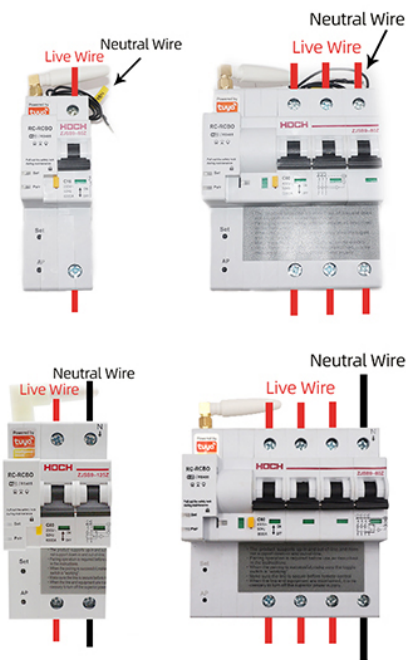
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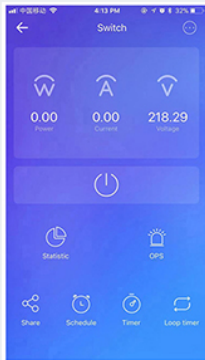
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- Rated impulse withstand voltage: 6000V



## Functions Area

1

### *Energy monitoring*

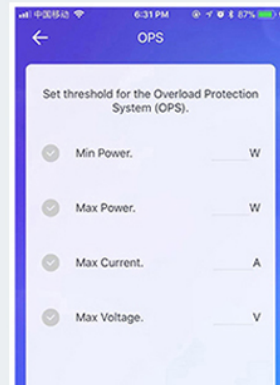


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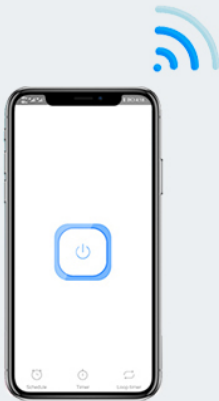
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3



## Remote control

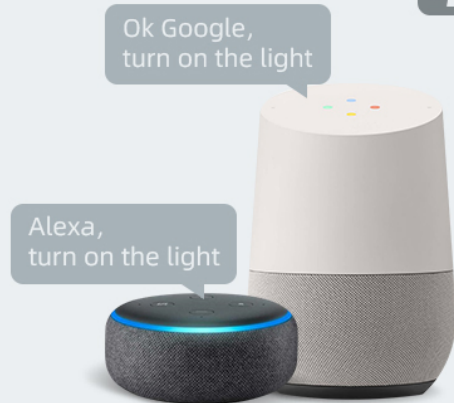
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## Voice control

Voice control with Amazon Alexa and Google Assistant.

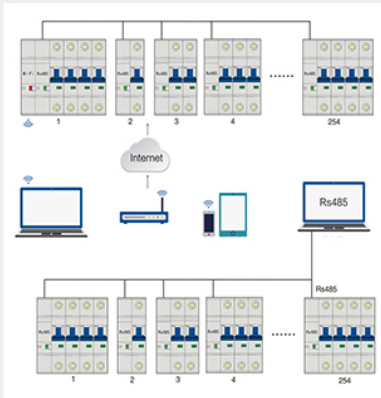
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## RS485/Modbus control



The data can be transmitted by wire, and our breaker can be controlled by PC,More stable.

## Efficient control

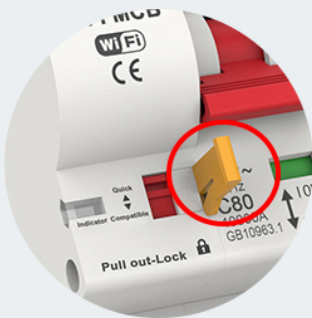
6

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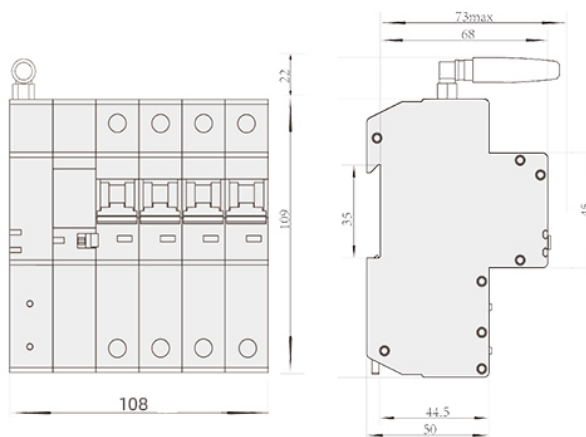
7

## Maintenance safety lock



Yellow maintenance safety lock,when  
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to pull out to avoid the risks

## Dimension details



## Tuya leakage protection WIFI circuit breaker



### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
- It mainly function as isolating, overload protection, short-circuit protection, leakage protection, remote control, timer control, and voice control.
- It can cut off line and neutral wires by your phone simultaneously, and also can manual control like normal breaker.
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### Standard and approvals

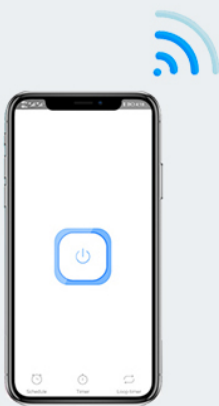
- IEC60898-1
- GB10963.1
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### Technical Parameters

- WiFi: 2.4G
- Rated voltage : 2P 230V AC 4P 400V AC
- Rated current: 10-100A
- Rated frequency: 50Hz
- Instant trigger form: C
- Breaking capacity: 6kA
- Installation category: 1, II
- Operating temperature:  $-25^{\circ}\text{C} \sim +65^{\circ}\text{C}$
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- Rated impulse withstand voltage: 6000V

## Functions Area

1



### *Remote control*

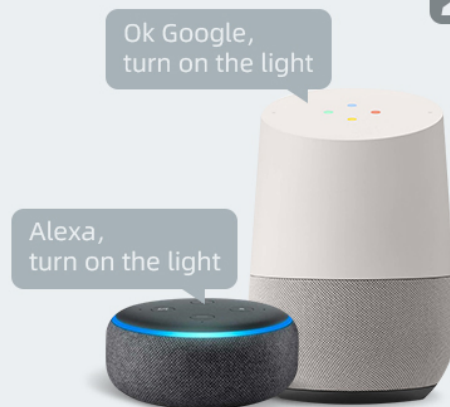
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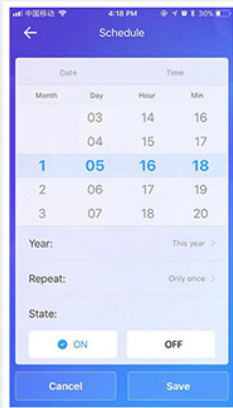
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Simply say :Alexa,turn on the switch or Google turn on the light.

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## Smart timing

You can set switching time of electric appliance without manual operation.

## Efficient control

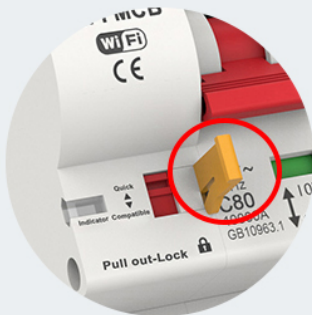
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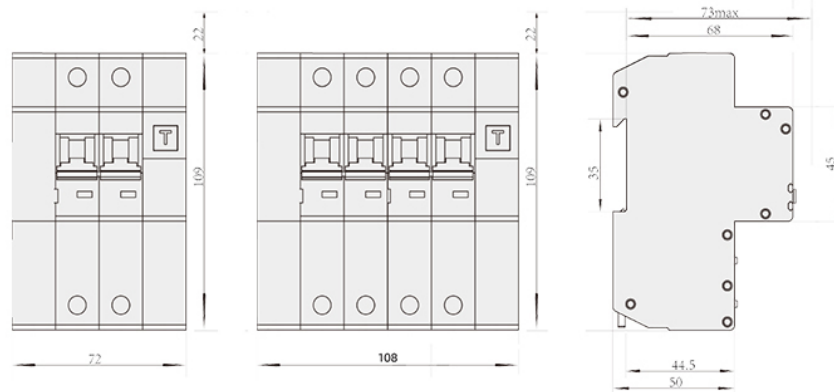
5

## Maintenance safety lock



Yellow maintenance safety lock, when maintenance the circuit, it's recommend to pull out to avoid the risks

## *Dimension details*



## Tuya monitoring leakage protection WIFI breaker

### 2020 New Arrival Upgraded

- ▶ When the device is faulty, the APP has an alarm notification
- ▶ Can Set Overvoltage, undervoltage, current, power threshold
- ▶ Real-time voltage, current, and power reach the set value, and the device will automatically disconnect
- ▶ View yearly, monthly, daily, and hourly power consumption
- ▶ Set total kWh, use up. Device auto turn off
- ▶ Can set the temperature of the device, prevent the device from burning due to overheating
- ▶ When the power is recovery, the device can maintain the state before the power failure
- ▶ Leakage protection, Protect personal safety. leakage current can adjust in app
- ▶ Kid lock function. Prevent children from misuse
- ▶ It can count forward power and reverse power separately



Ok Google, turn on the light



Alexa, turn on the light



### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
- It mainly function as isolating, overload protection, short-circuit protection, remote control, energy monitoring, leakage protection, timer control, and voice control.
- It can cut off line and neutral wires by your phone simultaneously, and also can manual control like normal breaker.
- Work with Alexa, google home, IFTTT.

### Standard and approvals

- IEC60898-1
- GB10963.1
- CCC approvals

### Technical Parameters

- WIFI: 2.4G
- Rated voltage : 2P 230V AC 4P 400V AC
- Rated current: 10-100A
- Rated frequency: 50Hz
- Instant trigger form: C
- Breaking capacity: 6kA
- Installation category: 1, II
- Operating temperature: -25 °c ~ + 65 ° c
- Temperature rise test: ≤ 60k
- Mechanical life: in line with GB10963.1 ≥ 10000 times
- Electrical life: in line with GB10963.1 ≥ 6000 times
- Rated impulse withstand voltage: 6000V



Neutral Wire



## Functions Area

1

### *Energy monitoring*

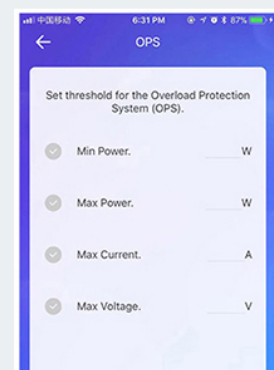


Check the electricity consumption of the rental house through your phone anytime and any where

### *OPS Function*

2

Preset the power/current/voltage threshold values by app, Once the real-time power/current/voltage reaches the threshold values, the connected electrical appliance will be automatically turned off



3

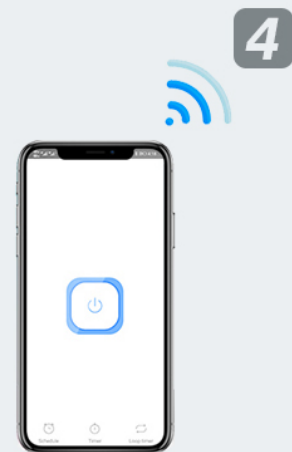
## Leakage current setting



Leakage current can customize 30mA 100mA 300mA for you. You can also set in APP and can set range is 0-3000mA

## Remote control

Once you pairing our breaker with your WIFI , then you can use your mobile internet control it from any where



5

## Voice control

Alexa,  
turn on the light

Ok Google,  
turn on the light

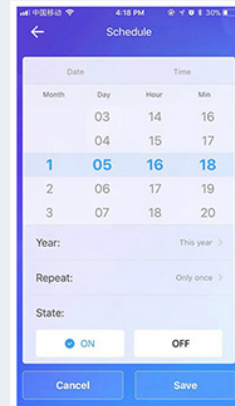


Voice control with Amazon Alexa and Google Assistant. Simply say :Alexa,turn on the switch or Google turn on the light.

## Smart timing

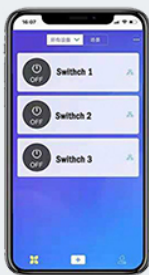
6

You can set switching time of electric appliance without manual operation.



7

## Efficient control

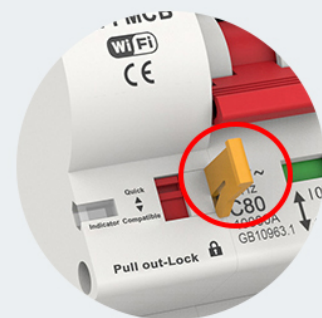


One app can control 200pcs breaker, Operate more easily, high efficiency

## Maintenance safety lock

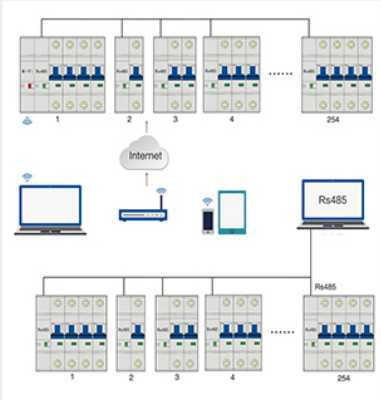
8

Yellow maintenance safety lock, when maintenance the circuit, it's recommended to pull out to avoid the risks



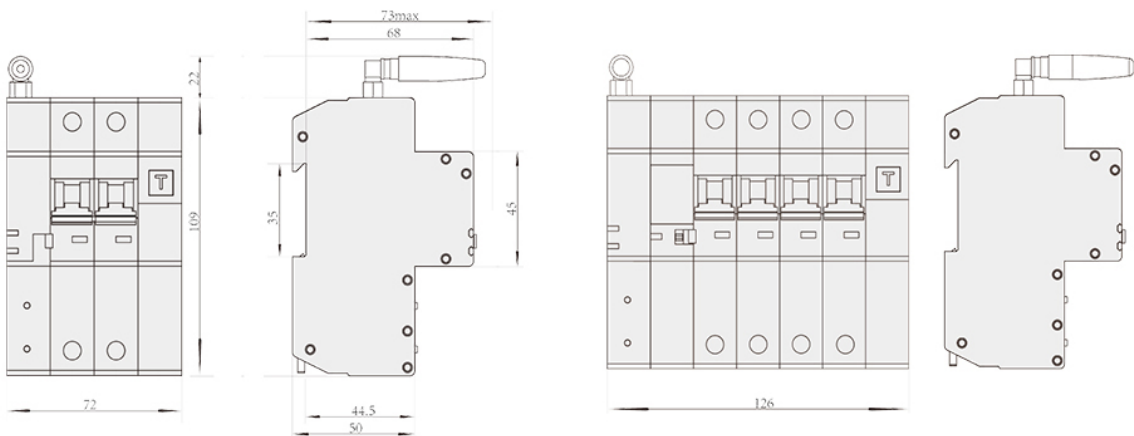
9

## RS485/Modbus control

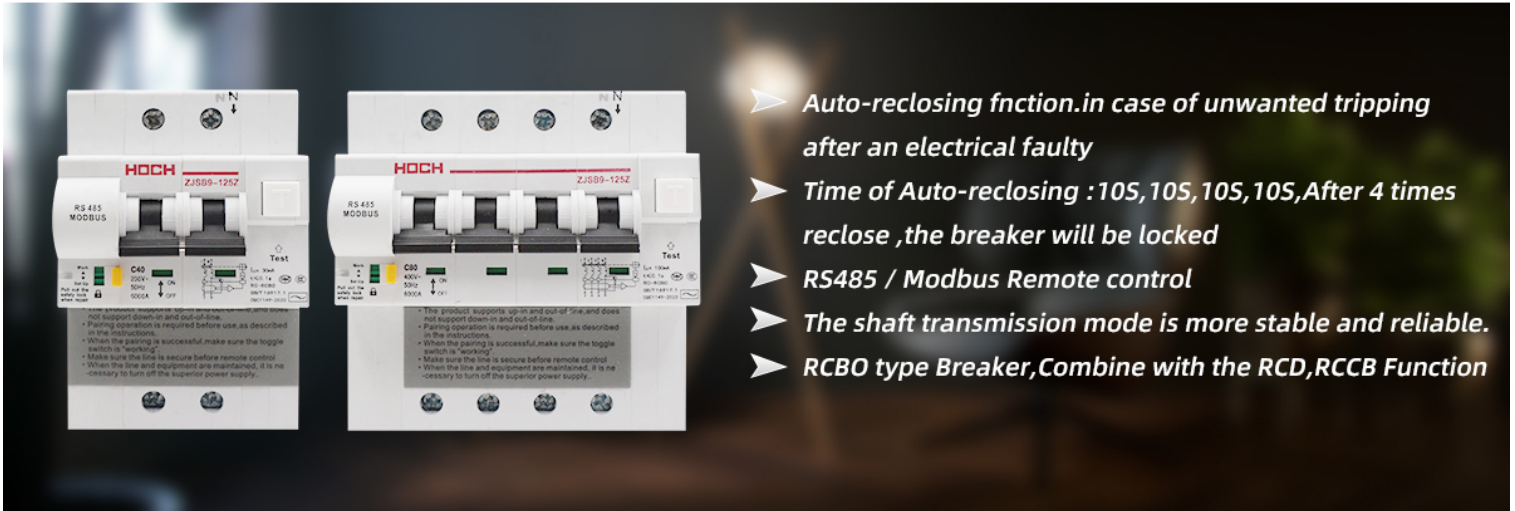


The data can be transmitted by wire, and our breaker can be controlled by PC, More stable.

## Dimension details



## RCBO RS485 Auto-reclosing circuit breaker



- Auto-reclosing fncion.in case of unwanted tripping after an electrical faulty
- Time of Auto-reclosing : 10S,10S,10S,10S,After 4 times reclose ,the breaker will be locked
- RS485 / Modbus Remote control
- The shaft transmission mode is more stable and reliable.
- RCBO type Breaker,Combine with the RCD,RCCB Function



### Application and Characteristics

- It mainly applied to architecture fields, industries,civilian household, agricluture and so on.
- It mainly function as isolating,Auto-reclosing,overload protection, short-circuit protection,remote control,Leakage protection RS485/Modbus control.
- It can cut off line and neutral wires by PC simultaneously,and also can manual control like normal breaker.



### Standard and approvals

- IEC60898-1
- GB10963.1
- CCC approvals

### Technical Parameters

- Rated voltage : 2P 230V AC 4P 400V AC
- Rated current: 10-100A
- Rated frequency: 50Hz
- Instant trigger form: C
- Breaking capacity: 6kA
- Installation category: 1, ll
- Operating temperature: -25 ° c ~ + 65 ° c
- Temperature rise test: ≤ 60k
- Mechanical life: in line with GB10963.1 ≥ 10000 times
- Electrical life: in line with GB10963.1 ≥ 6000 times
- Rated impulse withstand voltage: 6000V

## Functions Area

1

### Auto-reclosing

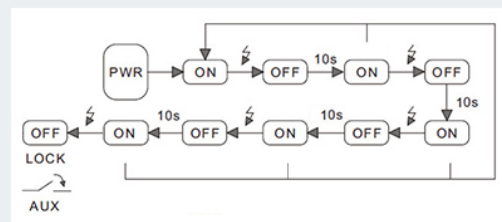


In case of unwanted tripping after an electrical faulty

### Reclosing protection

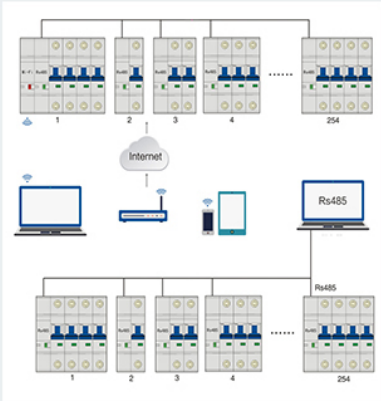
2

Time of Auto-reclosing :10S,10S,10S,10S,  
After 4 times reclose the breaker will be locked



3

## RS485/Modbus control

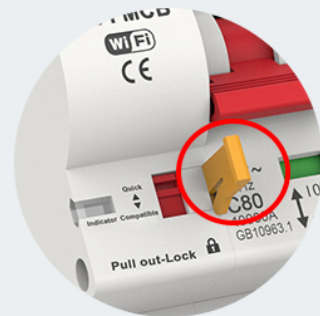


The data can be transmitted by wire, and our breaker can be controlled by PC, More stable.

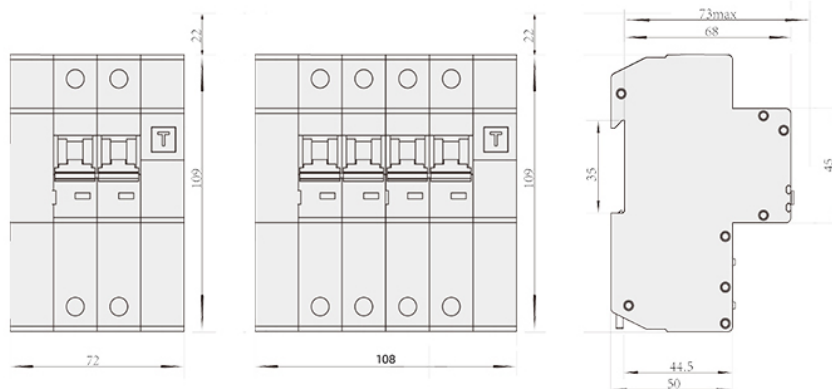
## Maintenance safety lock

4

Yellow maintenance safety lock, when maintenance the circuit, it's recommend to pull out to avoid the risks

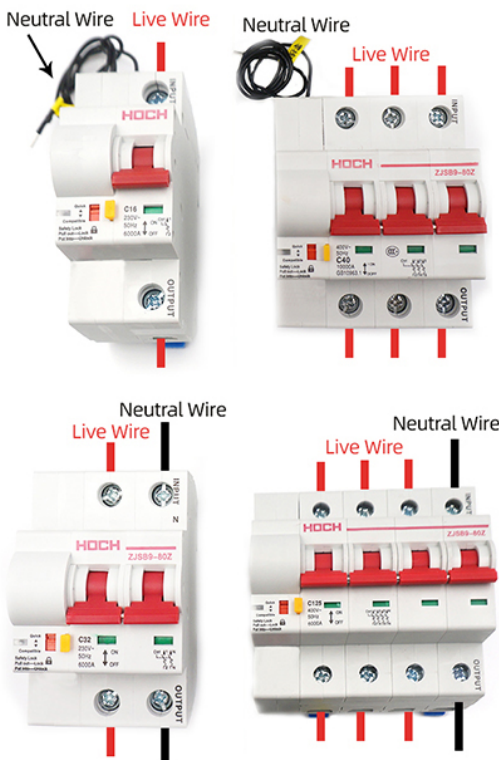
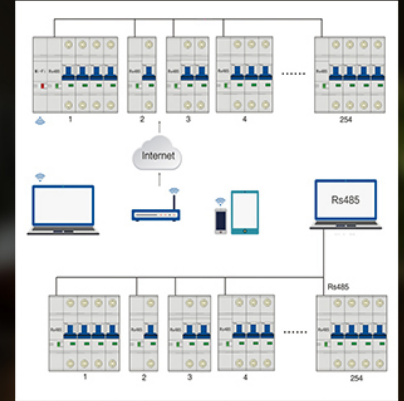


## Dimension details





*The data can be transmitted by wire,  
and our breaker can be controlled  
by PC, More stable.*



### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
- It mainly function as isolating, overload protection, short-circuit protection, remote control, RS485/Modbus control.
- It can cut off line and neutral wires by PC simultaneously, and also can manual control like normal breaker.

### Standard and approvals

- IEC60898-1
- GB10963.1
- CCC approvals

### Technical Parameters

- Rated voltage : 1P 2P 230V AC 3P 4P 400V AC
- Rated current: 10-125A
- Rated frequency: 50Hz
- Instant trigger form: C
- Breaking capacity: 6kA
- Installation category: 1, II
- Operating temperature: -25 ° c ~ + 65 ° c
- Temperature rise test: ≤ 60k
- Mechanical life: in line with GB10963.1 ≥ 10000 times
- Electrical life: in line with GB10963.1 ≥ 6000 times
- Rated impulse withstand voltage: 6000V

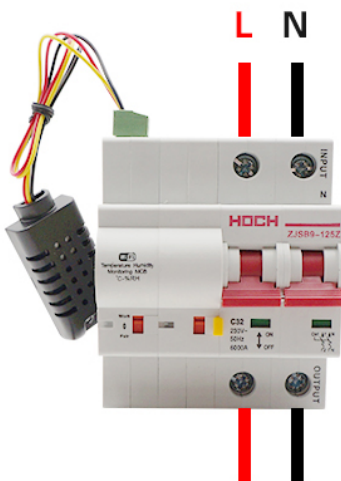
## Temperature and humidity WIFI circuit breaker



- *Temperature control function*
- *Humidity control function*
- *WIFI remote control function*
- *Voice control control function*

### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
- It mainly function as isolating, overload protection, short-circuit protection, remote control, temperature and humidity control
- It can cut off line and neutral wires by mobile phone simultaneously, and also can manual control like normal breaker.



### Standard and approvals

- IEC60898-1
- GB10963.1
- CCC approvals

### Technical Parameters

Rated voltage : 1P 2P 230V AC 3P 4P 400V AC

Rated current: 10-125A

Rated frequency: 50Hz

Instant trigger form: C

Breaking capacity: 6kA

Installation category: 1, II

Operating temperature: -25 ° c ~ + 65 ° c

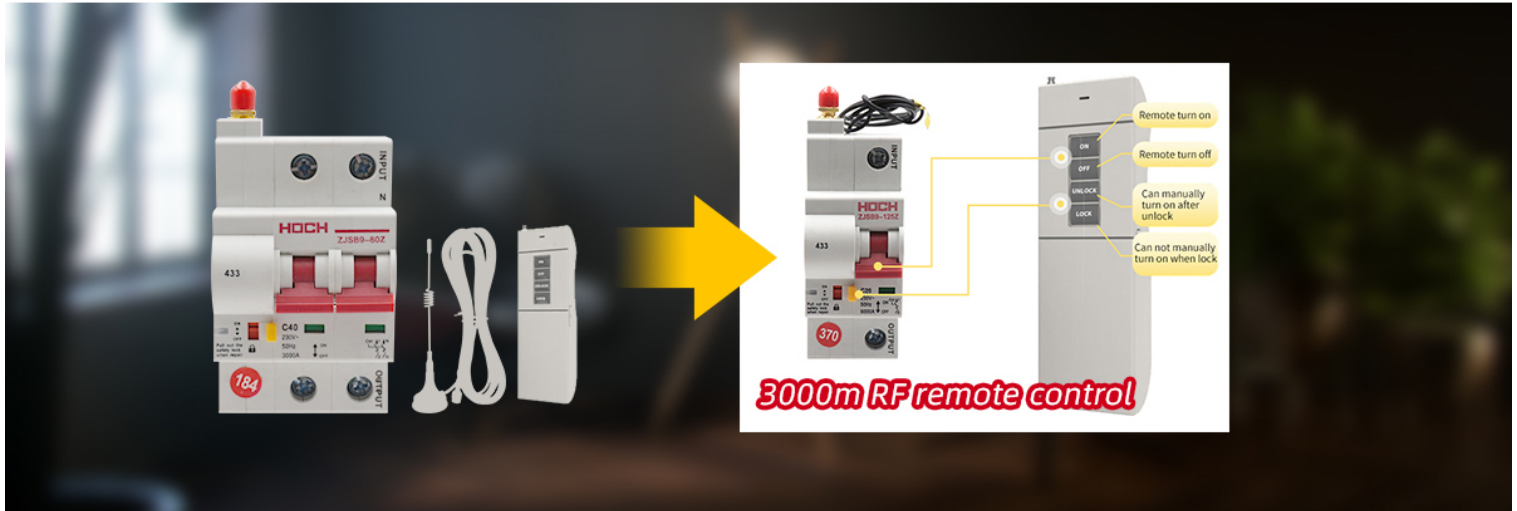
Temperature rise test: ≤ 60k

Mechanical life: in line with GB10963.1 ≥ 10000 times

Electrical life: in line with GB10963.1 ≥ 6000 times

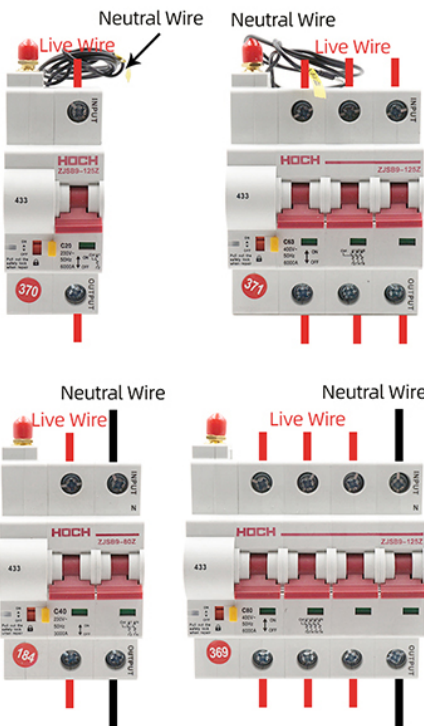
Rated impulse withstand voltage: 6000V

## RF remote control circuit breaker



### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
- It mainly function as isolating, overload protection, short-circuit protection, remote control.
- It can cut off line and neutral wires by remote control simultaneously, and also can manual control like normal breaker.



### Standard and approvals

- IEC60898-1
- GB10963.1
- CCC approvals

### Technical Parameters

Rated voltage : 1P 2P 230V AC 3P 4P 400V AC

Rated current: 10-125A

Rated frequency: 50Hz

Instant trigger form: C

Breaking capacity: 6kA

Installation category: 1, II

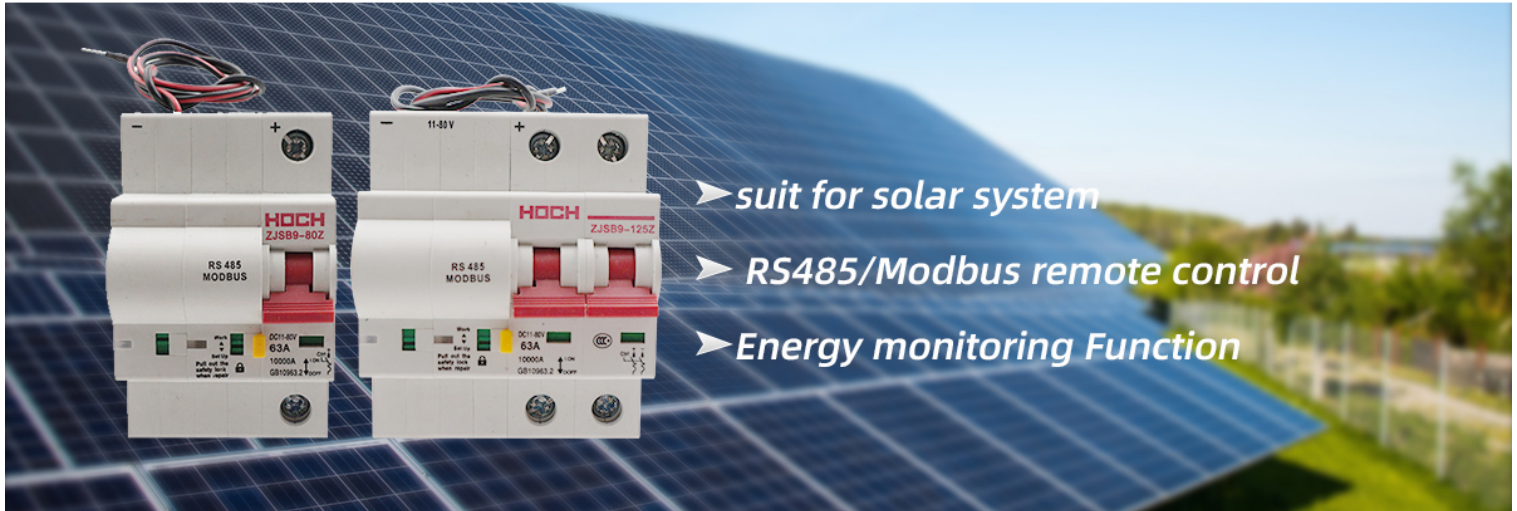
Operating temperature: -25 ° c ~ + 65 ° c

Temperature rise test: ≤ 60k

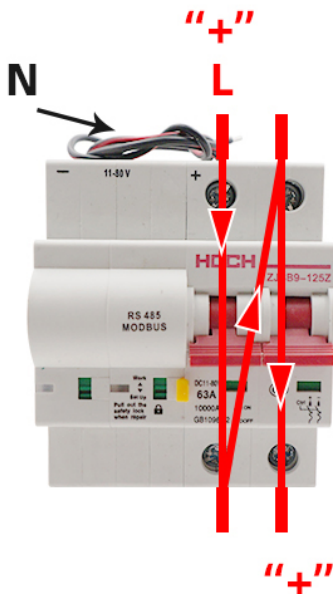
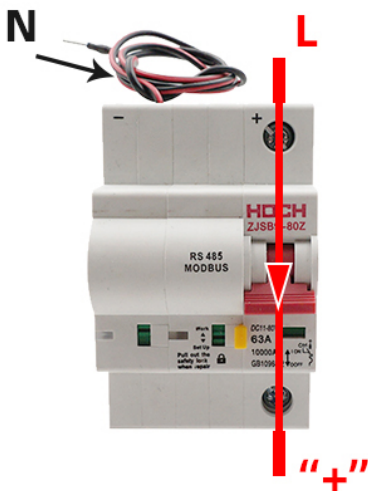
Mechanical life: in line with GB10963.1 ≥ 10000 times

Electrical life: in line with GB10963.1 ≥ 6000 times

Rated impulse withstand voltage: 6000V



- *suit for solar system*
- *RS485/Modbus remote control*
- *Energy monitoring Function*



### Application and Characteristics

- It mainly applied to architecture fields, industries, civilian household, agriculture and so on.
- It mainly function as isolating, overload protection, short-circuit protection, RS485/Modbus remote control.
- It can cut off line and neutral wires by PC simultaneously, and also can manual control like normal breaker.

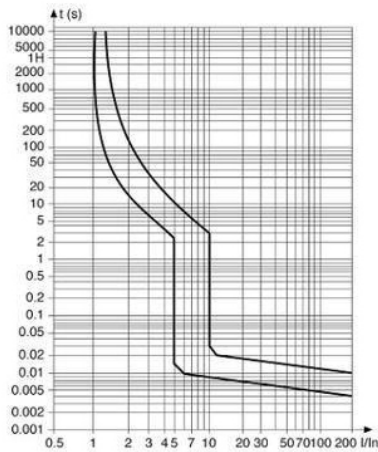
### Standard and approvals

- IEC60898-1
- GB10963.1
- CCC approvals

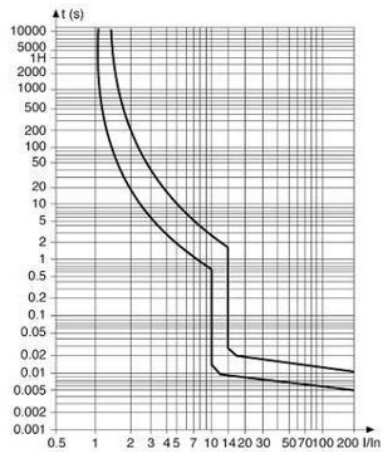
### Technical Parameters

- Rated voltage : 1P 2P 11-80V DC
- Rated current: 10-80A
- Breaking capacity: 10kA
- Installation category: 1, II
- Operating temperature: -25 °c ~ + 65 °c
- Temperature rise test: ≤ 60k
- Mechanical life: ≥ 10000 times
- Electrical life: ≥ 6000 times

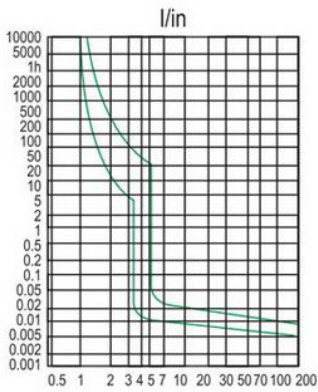
## Tripping Curve



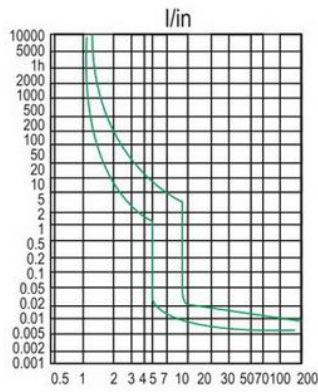
Smart MCB C curve



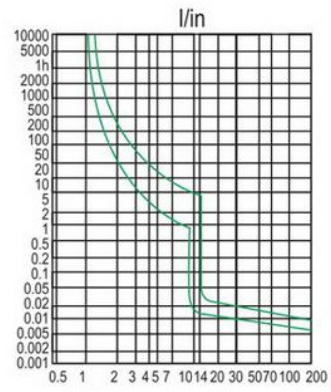
Smart MCB D curve



Smart RCBO B curve



Smart RCBO C curve



Smart RCBO D curve