●Overvoltage alarm: It can be set whether to enable automatic disconnection of the alarm and set the overvoltage voltage threshold.
●Undervoltage alarm: It can be set whether to enable automatic disconnection of the alarm and set the undervoltage voltage threshold.
Operation: Enter the corresponding alarm type (such as "overvoltage alarm") to:
1. Turn on or off the "alarm disconnection enable" (i.e. whether the power is automatically turned off when the threshold is reached).
2. Set specific alarm thresholds (voltage or current values).

配网操作步骤 Network distribution operations

第一步 Step One

开启手机蓝牙和WIFI信号再登录涂鸦手机APP，长按开关配网按钮，等待5-10秒左右后，LED指示灯进入慢闪状态，在涂鸦APP界面等待。

Turn on your phone's Bluetooth and WIFI signals before logging into the Graffiti mobile app. Press and hold the power button, wait for about 5-10 seconds, and the LED indicator light will enter a slow flashing state. Wait on the Graffiti app interface.

第二步 Step two

在涂鸦APP界面等待时会自动弹出匹配对象或点击右上角"+"点击添加，等待发现设备然后点击添加。

When waiting on the graffiti app interface, a matching object will automatically pop up or click the "+" button in the upper right corner to add. Wait for the device to be discovered and then click add.

第三步 Step three

输入WIFI账号密码点击下一步后，等待断路器连接网络。

After entering the WIFI account password and clicking Next, wait for the circuit breaker to connect to the network.

第四步 Step four

断路器配网连接中

Circuit breaker distribution network connection in progress

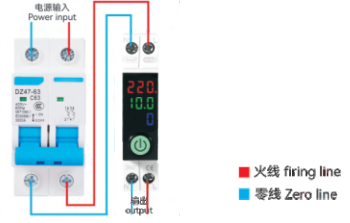
第五步 Step Five

连接成功进入APP操作页面指示灯从蓝色慢闪变成蓝色常亮。

The indicator light for successfully connecting to the APP operation page has changed from slow flashing blue to constant blue light.

产品外形尺寸 Product dimensions

产品接线 Product wiring



wifi智能通断器

WiFi Smart Switch

使用说明书

Instruction manual

设备配网(连接Wi-Fi)

Equipment distribution network (connected to Wi Fi)

1. 设备上电，给断路器接通电源。
2. 设备上电后，网络指示灯（第一行数码管的最后一位小数点）会慢闪，表示进入配网模式。
3. APP操作
   - 打开 涂鸦智能APP ；
   - 点击首页 "+" -- "添加设备" ；
   - 会开始自动扫描周边可添加设备；
   - 扫描到设备后点击添加，按提示输入Wi-Fi密码 ，即可添加成功。

注意: 若扫描失败或添加失败，请执行重置Wi-Fi配网（见第二章）后重试。

1. Power on the device and connect the power to the circuit breaker.
2. After the device is powered on, the network indicator light (the last decimal point of the first row of digital tubes) will flash slowly, indicating that it has entered the distribution network mode.
3. APP operation
   -Open the Graffiti Smart APP;
   -Click on the "+" on the homepage and select "Add Device";
   -It will start automatically scanning the surrounding areas for devices that can be added;
   -After scanning the device, click add and enter the WiFi password as prompted to successfully add it.

Note: If scanning or adding fails, please reset the WiFi network configuration (see Chapter 2) and try again.

解绑设备与重置Wi-Fi配网

Unbind devices and reset Wi Fi network

方法1：APP端重置(设备已绑定时)
1. APP设备页 → 点击右上角 编辑(铅笔)图标 → 选择 "删除设备" → 确认操作。

方法2：设备端重置(通用)
1. 确保屏幕 亮屏状态(短按按键唤醒);
2. 长按设备分合闸按键4秒;
3. 观察屏幕出现 从上至下刷屏显示;
4. 指示灯恢复慢闪即重置成功;

Method 1: Reset on the APP (when the device is already bound)
1. APP device page →Click on the edit (pencil) icon in the upper right corner → Select "Delete Device" → Confirm action .

Method 2: Device Reset (Universal)
1. Ensure that the screen is lit up (short press the button to wake up);
2. Long press the device's on/off button for 4 seconds;
3. Observe the screen to display a scrolling display from top to bottom;
4. When the indicator light returns to slow flashing, the reset is successful;

设备显示与指示灯

Equipment display and Indicator lights

屏幕息屏: 设备在无任何操作(按键或APP设置页,控制)3分钟后会自动息屏以节省电量。

唤醒屏幕:
设备端: 按下断路器上的物理按键即可唤醒屏幕。
APP端: 进入设备控制页面 → 点击右上角 "设置" → 进入 "参数设置"→ 找到"数显"开关进行开启/关闭(开启即亮屏,关闭即息屏)。

网络指示灯状态(第一行数码管最后一位小数点):

Screen shutdown: The device will automatically shut down after 3 minutes without any operation (buttons or app settings page, controls) to save power.

Wake up screen:
Device side: Press the physical button on the circuit breaker to wake up the screen.
APP end: Go to the device control page → click on "Settings" in the upper right corner → enter "Parameter Settings" → find the "Digital Display" switch to turn on/off (the screen will light up when turned on, and turn off when turned off).

Network indicator light status (last decimal point of the first line digital display):

指示灯状态 Indicator light status	含义 meaning
慢闪 Indicator light status	等待连接Wi-Fi (配网模式) Waiting to connect to Wi Fi (network mode)
快闪 (3秒) slow flashFlash(3 seconds)	正在连接/已连接网络 Connecting/Connected to network
熄灭 extinguish	网络连接稳定且正常 The network connection is stable and normal

电量显示规则:
当累计用电量 ≤ 999 kWh 时，正常显示数值(如 888 kWh).
当累计用电量 > 999 kWh 时(以1234kWh示例):
1.屏幕会先显示 千位及以上的数值 (例如1表示1000kWh)。
2.停顿约1秒。
3.再显示 百位及以下的数值 (例如.234 表示234 kWh)。
4.稍长停顿约2-3秒。
5.重复步骤1-4 (即1→停顿→234 →停顿→1→停顿→234 ...
如此循环轮询显示)。

Electricity display rules:
When the cumulative electricity consumption is ≤999kWh, the normal display value (such as 888kWh).
When the cumulative electricity consumption exceeds 999kWh (using 1234kWh as an example):
1. The screen will first display values in thousands of digits or higher (eg. 1 represents 1000kWh).
2. Pause for about 1 second.
3. Display values in the hundreds and below (e.g.. 234 represents 234 kWh).
4. Pause for about 2-3 seconds.5. Repeat steps 1-4(i.e. 1→ pause → 234 → pause →1→ pause → 234...) in this cyclic polling display.

过压/欠压/过流保护设置

Overvoltage/undervoltage/overcurrent protection settings

设置路径:
涂鸦智能APP→进入该断路器的设备控制页面→点击右上角"设置"→进入"告警设置"。

可设置项:
●过流告警:可设置是否开启告警自动分闸(使能)及设定过流电流阈值。
●过压告警:可设置是否开启告警自动分闸(使能)及设定过压电压阈值。
●欠压告警:可设置是否开启告警自动分闸(使能)及设定欠压电压阈值。

操作:进入相应的告警类型(如"过压告警"),即可:
1.开启或关闭 "告警分闸使能"(即达到阈值时是否自动断电)。
2.设置具体的 告警阈值)电压值或电流值)。

Set path:
Graffiti Smart APP → Enter the device control page of the circuit breaker → Click on "Settings" in the upper right corner → Enter "Alarm Settings".

Customizable items:
●Overcurrent alarm: It can be set whether to enable automatic disconnection of the alarm and set the overcurrent current threshold.