GLEDOPTO ®
GL-DR-001Z

(With power meter)
DIN Rail ZigBee Circuit Breaker
User Instruction

EC	REP

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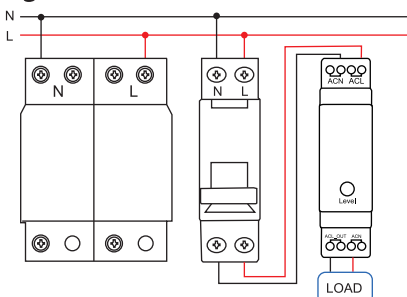GL-DR-I-001Z

I. Product overview

Gledopto DIN Rail ZigBee Circuit breaker with power meter is a smart home device that can be remotely controlled and monitored via a mobile app. It is compatible with ZigBee 3.0 and can be easily integrated into most smart home systems. The product can measure the power consumption of connected devices and display the data on the app in real-time, helping users to save energy and reduce electricity bills.

I. Product parameters

Input voltage: AC 100-240V
Input current: 16A Max
Minimum load：3W
Frequency: 50/60Hz
Material: Fireproof PC
Working temperature: -20~45℃
Size: 24mm*59mm*92mm

III. Wiring method

Note: please combine surge protector and circuit breaker device

IV. Main functions

APP control   simple operation   time setting

child lock setting   indicator light mode   power consumption data

V. Real-time monitoring

Real-time monitoring of the current, voltage, and power consumption of the load device. It can also record the power consumption of the load device in different time periods such as year, month, day, and hour, helping users to have a clearer view of the power consumption of the load device. Set the on/off state of the device in different scenarios and remotely monitor the real-time situation of the load appliance.

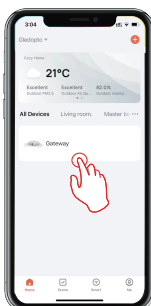⚡ Total electricity **14.33**kwh

VI. Button functions

1. Short press once: Turn on/off the load power.
2. Short press 4 times within 5 seconds: Release the child lock enabled by the app.
3. Long press for 5 seconds: Reset the ZigBee circuit breaker (Resetting will clear the gateway connection and power consumption data).
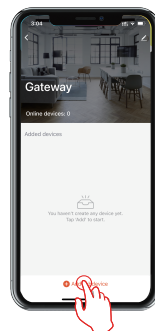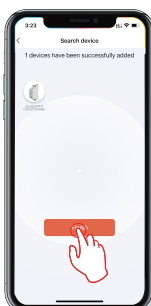

VII. APP configuration steps

1.Enter the APP (APP: Smart Life, Tuya Smart) click on the smart gateway.

2. Make sure the ZigBee circuit breaker is in reset state (slowly flashing indicator light), click on "add sub-device".

3.When the indicator light of the ZigBee circuit breaker stops flashing and becomes steady on, and the APP displays the icon of the ZigBee circuit breaker,it means the search is successful. Click on "done" to complete adding the Zigbee circuit breaker.

VIII. APP Function Introduction

1.Switch Control
Clicking on the switch button or socket icon can turn on/off the ZigBee circuit breaker
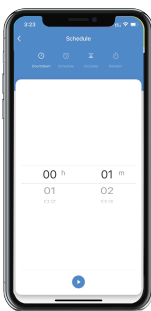
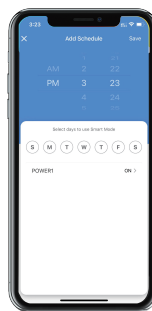## 2.Timing setting:

1) Countdown switch

Set any time to achieve the countdown for flipping the socket switch state after the countdown ends.
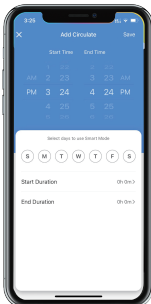If a switch operation is performed before the countdown ends, the countdown will be automatically canceled.

2)Timing switch

Set any time to turn on/off the ZigBee circuit breaker .
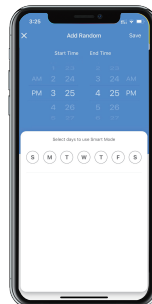
3) Cycle timing switch

Set a time period, and then set the opening and closing times for the ZigBee circuit breaker respectively. The device will cycle on and off according to the above settings.

4) Random timing switch

Set a time period. Within the 2 to X minutes after the start time, the ZigBee circuit breaker will be randomly turned on, and within the 2 to X minutes before the end time, the ZigBee circuit breaker will be randomly turned off. (X = interval time/2-2).

For example, if the time period is set to 9:00 AM-10:00 AM, the device will randomly turn on at any time between 9:02 AM-9:30 AM, and randomly turn off at any time between 9:30 AM-9:58 AM.
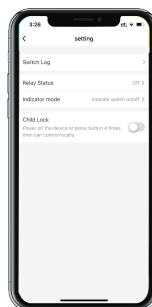
3. Display of electricity usage data

Display today's electricity consumption, current current, current power consumption, current voltage, and total electricity consumption. See the figure.
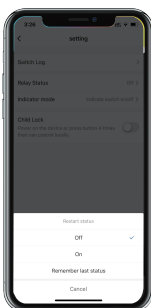
4. Switch log query

The ZigBee circuit breaker can be queried for the time and status of each switch operation.

5. Power-on status setting

The power-on status of the circuit breaker can be set to three states: power off, power on (default), and maintain the previous power-off status.
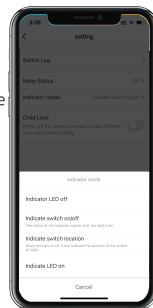
6. Indicator light mode setting

1) Indicator on/off

When the ZigBee circuit breaker on the guide rail is turned on, the indicator light turns on; when the device is turned off, the indicator light turns off.

2) Indicator position

To facilitate finding the device in the dark, the indicator light can be set to this mode: when the ZigBee circuit breaker is turned on, the indicator light turns off; when the device is turned off, the indicator light turns on.
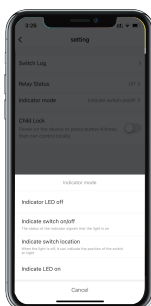
3) Turn off Indicator light

Whether the ZigBee circuit breaker is turned on or off, the indicator light is always off.
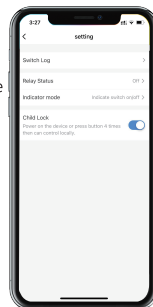
4) Indicator light always on

Whether the ZigBee circuit breaker is turned on or off, the indicator light is always on.

7.Child lock setting

Enabling the child lock can prevent accidental operation of the ZigBee circuit breaker by touching the switch button. To turn off:
1. Use the app to turn it off.
2. Power off the Zigbee circuit breaker (wait for more than 2 seconds after power off).

⚠ **ATTENTION**

1. Use the product under the rated voltage. Overvoltage or undervoltage usage may cause damage.
2. Non-professional users cannot directly disassemble the product, otherwise it may cause fire or electric shock.
3. The working temperature is -20~45℃. Do not use the product in areas with direct sunlight, humidity, high temperature, etc.
4. Do not use the product in metal shielding areas and strong magnetic fields, otherwise it will seriously affect the wireless signal transmission of the product.

DISCLAIMERS

* The data such as the current, power, voltage, and electricity consumption of the load displayed by the APP has an error of about 3% compared to the actual value. The displayed data is for reference only and cannot be used as the basis for electricity charges.

* Our company will update the content of this manual according to the improvement and changes of the product function, and periodically improve and update the software and hardware of the products described in this manual. The update will be displayed in the latest version of this manual without further notice.

* Due to our continuous adoption of new technologies, if there are any changes in the product parameters, we will not notify separately.

* This manual is for user reference and guidance only, and does not guarantee that it is completely consistent with the actual product. The actual application shall prevail.

* The components and accessories described in this manual do not represent the standard configuration of the product. The specific configuration shall be subject to the package.

* All text, tables, and pictures in this manual are protected by relevant national laws and regulations, and may not be used without our company's permission.