GLEDOPTO®

GL-DR-001W/GL-DR-002W

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

EC	REP

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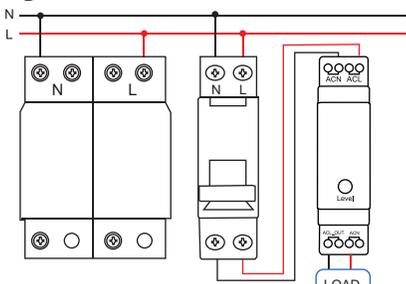0049 30 641 689 17   info@led-trading.de

GL-DR-I-001W

I. Product overview

Gledopto DIN rail Wi-Fi circuit breaker with power meter uses the Tuya Smart app for control. The app offers several options including switch control, countdown switch, timer switch, cycle timer switch, random timer switch, and momentary switch. These settings can be adjusted through the app for easy customization of the device.

I. Product parameters

Low voltage input voltage: AC 90-130V

High voltage input voltage: AC 198-240V

Input current: 16A Max

Minimum load：3W

Frequency: 50/60Hz

Material: Fireproof PC

Working temperature: -20~45℃

Size: 24mm*59mm*92mm

III. Wiring method

N
L
N   L
N   L
ACN ACL
INPUT
Level
ACL-OUT ACN
OUT
LOAD

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 WiFi circuit breaker (reset will clear the WIFI connection and clear the power consumption data).

VII. APP configuration steps

1.Enter the APP (APP: Smart Life, Tuya Smart) and click the plus sign in the upper right corner.

2. Swipe up on the left side of the screen to find "Other" and click the "Other (Wi-Fi)" icon.

3. Follow the instructions in the APP to add the DIN rail Wi-Fi circuit breaker to WiFi (only supports 2.4GHz).

4.After successful addition, you can control and check the status of the DIN rail Wi-Fi circuit breaker.

VIII. APP Function Introduction

1.Switch control

Clicking the switch button or icon can turn on/off the Wi-Fi circuit breaker.

2.Timing setting:

1. Countdown

Set any time to flip the switch status of the Wi-Fi circuit breaker after the countdown ends. If a switch operation is performed before the countdown ends, the countdown will be automatically cancelled.

2. Schedule

Setting a specific time will turn the Wi-Fi circuit breaker on/off.

3. Circulate

Setting a time period, and then setting the on/off duration of the Wi-Fi circuit breaker respectively, the circuit breaker will switch on/off according to the above settings.

4. Random

Setting a time period will randomly turn on the Wi-Fi circuit breaker within 2 to X minutes after the start time, and randomly turn off the circuit breaker within 2 to X minutes before the end time. (X=Interval time/2-2).

For example, if the time period is set from 9:00 AM to 10:00 AM, the circuit breaker will randomly turn on at any time between 9:02 AM and 9:30 AM, and randomly turn off at any time between 9:30 AM and 9:58 AM.

5. Inching

This function enables the device to be in an automatic state. That is, after the Wi-Fi circuit breaker is turned on each time, it will automatically turn off after running for a period of time (set in the APP).

6. Astronomical

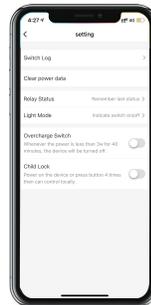This function can turn on/off the device before/after sunrise/sunset.

3. Power Usage Data Display

Displays today's power usage, current current, current power, current voltage, total power usage. It can also display the daily power usage.

4. Switch log query

It can query the time and status of each switch operation of the Wi-Fi circuit breaker.

5. Power-on state setting

Sets the on/off status of the Wi-Fi circuit breaker when powered on, which can be set to three states: power off, power on (default), and maintain the status before power off.

6. Indicator light mode setting

1. Indicator switch
   When the Wi-Fi circuit breaker is turned on, the indicator light turns on; when the Wi-Fi circuit breaker is turned off, the indicator light turns off.

2. Indicator position
   To facilitate finding the circuit breaker in the dark, the indicator light can be set to this mode. That is, the indicator light is off when the WiFi circuit breaker is turned on, and on when it is turned off.

3. Turn off the indicator light
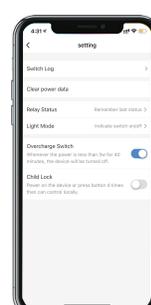   Whether the Wi-Fi circuit breaker is turned on or off, the indicator light is always off.

4. Indicator Light Constantly On
   Whether the Wi-Fi circuit breakerg is turned on or off, the indicator light is always on.

7. Overcharge Protection

After overcharge protection is enabled, if the load power of the Wi-Fi circuit breaker is less than 3W for 40 consecutive minutes, the load power will be automatically turned off.

8.Child lock setting

Enabling the child lock can prevent accidentally touching the switch button and causing the Wi-Fi circuit breaker to be turned on or off by mistake. To disable:

1. Use the app to turn it off.
2. Power off the Wi-Fi circuit breaker (wait for more than 2 seconds after power off to ensure complete power off) and power it on once.
3. Short press the Wi-Fi circuit breaker button 4 times in a row.

⚠️ **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.