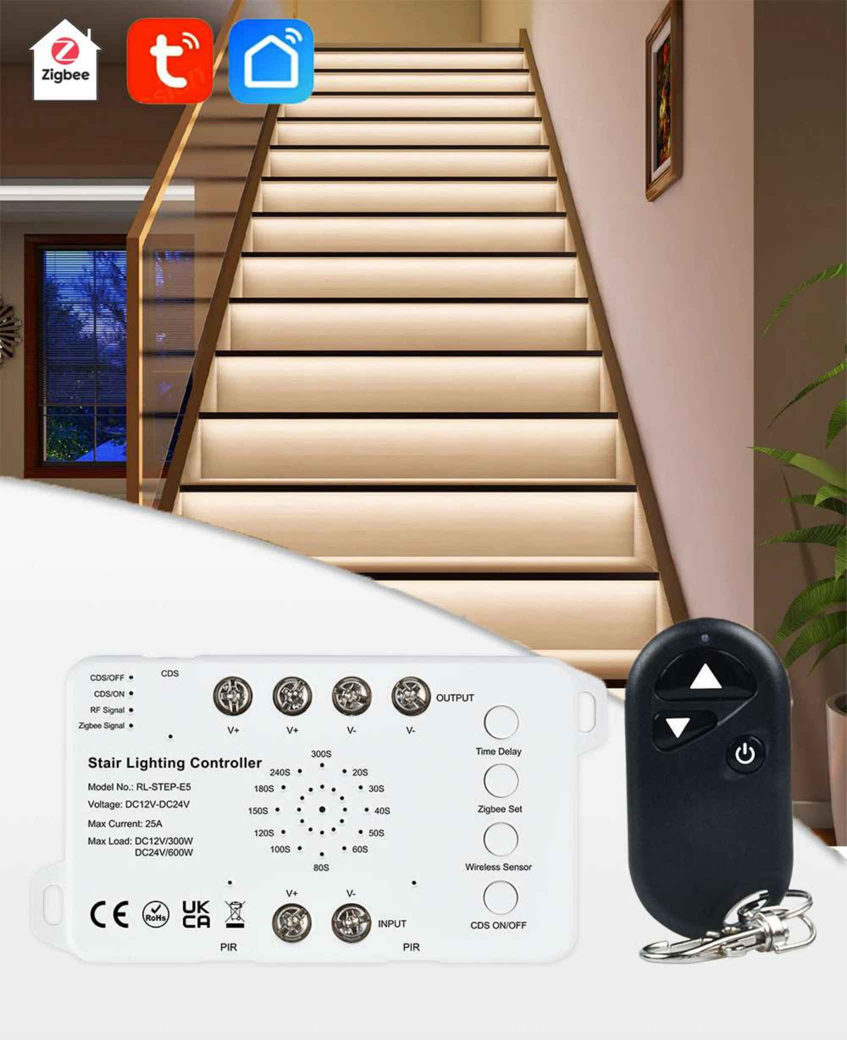
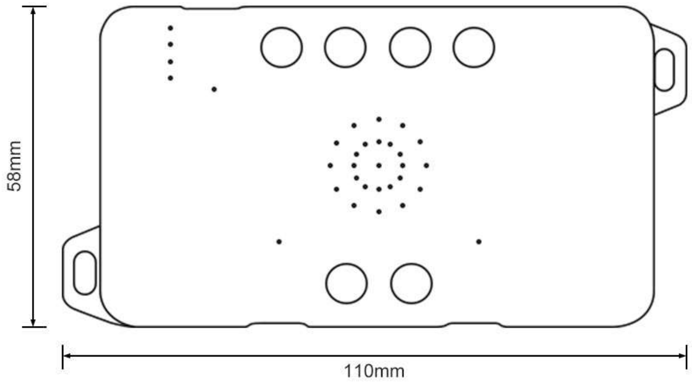
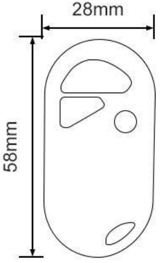
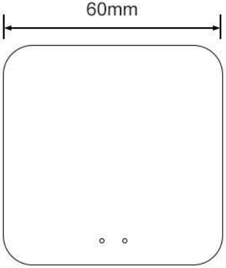
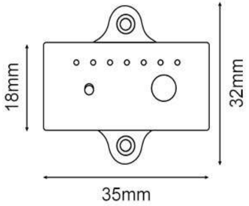

Zigbee
CDS/OFF
CDS/ON
RF Signal
Zigbee Signal
CDS
V+
V+
V-
V-
OUTPUT
Time Delay
Stair Lighting Controller
Model No.: RL-STEP-E5
Voltage: DC12V-DC24V
Max Current: 25A
Max Load: DC12V/300W
DC24V/600W
300S
20S
30S
40S
50S
60S
80S
100S
120S
150S
180S
240S
Zigbee Set
Wireless Sensor
CDS ON/OFF
CE
RoHS
UK CA
V+
V-
INPUT
PIR
PIR

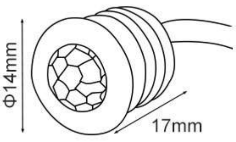
PRODUCT PARAMETERS

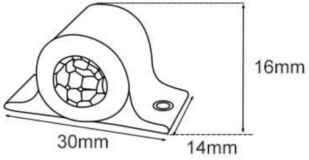







18mm
32mm
35mm




16mm
30mm
14mm

PRODUCT NAME

Stair Lighting Controller
With Remote

MODEL NUMBER

35914(WZ)

VOLTAGE

DC12V-24V

MAX CURRENT

25A

MAX LOAD

DC12V/300W,DC24V/600W

MATERIALS

ABS

APP

Tuya,Smart Life

APPLICATION

Control Stair LED Strips

FUNCTION

Adjust/Delay Time/Brightness/Speed/Color

PRODUCT DETAILS

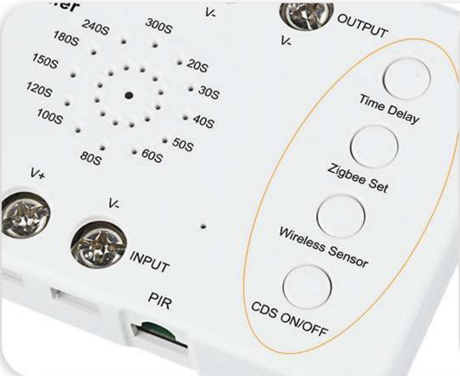
01

INTERFACE DESIGN

Power cord interface

air Lighting Controller
Model No.: RL-STEP-E5
Voltage: DC12V-DC24V
Max Current: 25A
Max Load: DC12V/300W
DC24V/600W
UK
CA
RoHS
PIR
V+
V-
INPUT
PIR
240S
180S
150S
120S
100S
80S
60S
50S

02


V-
OUTPUT
V-
240S
300S
180S
150S
20S
120S
30S
100S
40S
50S
80S
60S
V+
V-
INPUT
PIR
Time Delay
Zigbee Set
Wireless Sensor
CDS ON/OFF

BUTTON DESIGN

Function buttons

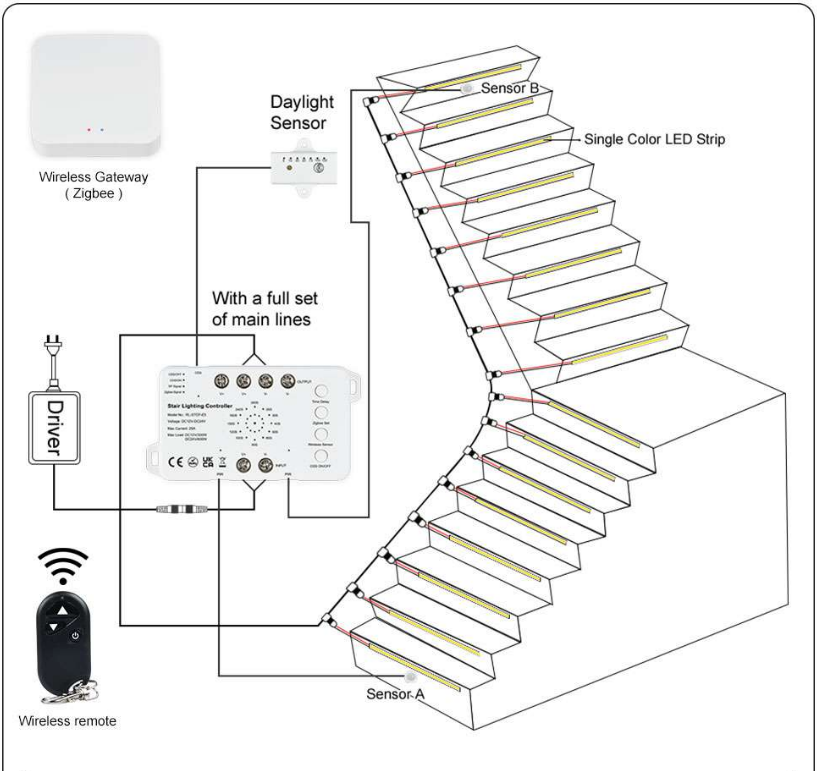
03

REMOTE KEY

Remote control

operation

INSTALLATION DIAGRAM

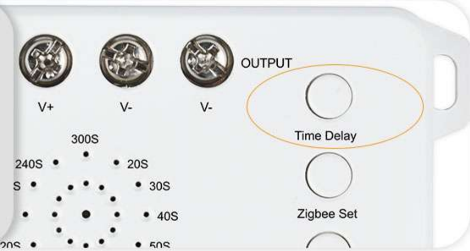

Wireless Gateway
(Zigbee)
Daylight
Sensor
Sensor B
Single Color LED Strip
With a full set
of main lines
Driver
Stair Lighting Controller
Sensor A
Wireless remote

1 PCS
Daylight Sensor Cable Length:1m

2 PCS
Sensor Cable Length:1m

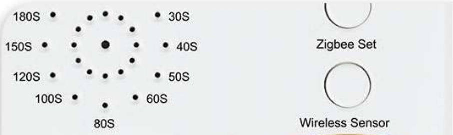
1 PCS
Extension Cable Length:5m

FUNCTION OF BUTTON


OUTPUT
V+
V-
V-
Time Delay
300S
240S
20S
30S
40S
Zigbee Set
120S
50S

01

Short press to adjust time delay
12 levels in total


180S
30S
150S
40S
120S
50S
100S
60S
80S
Zigbee Set
Wireless Sensor

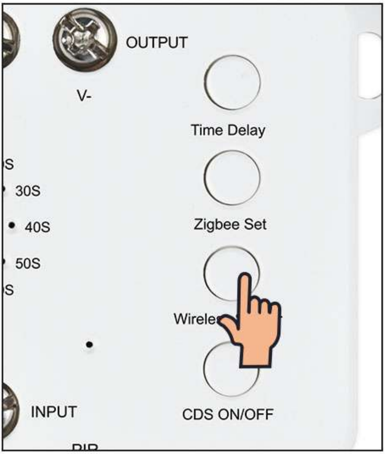
02

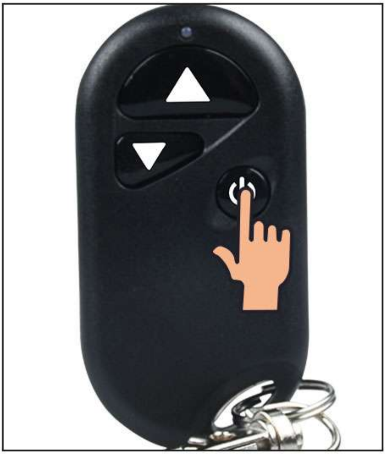
Long press “CDS ON/OFF” to

V+
V-
INPUT
PIR
CDS ON/OFF

switch daylight sensor

MATCH REMOTE CONTROL

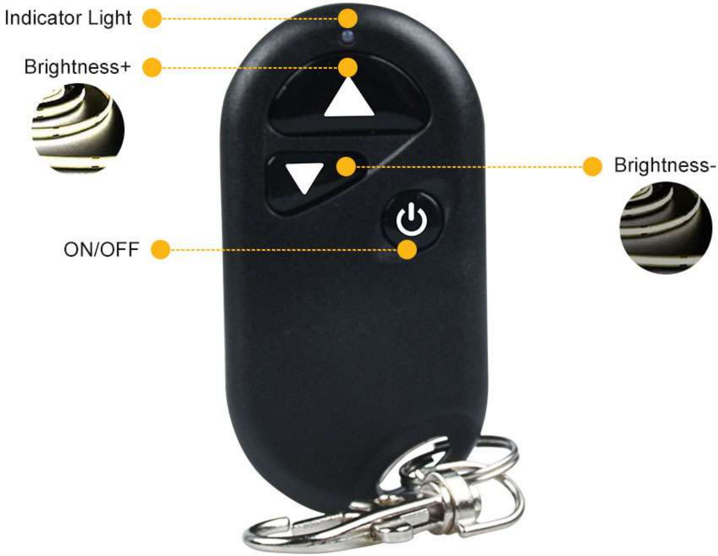

OUTPUT
V-
Time Delay
S
30S
40S
50S
S
Zigbee Set
Wirele
INPUT
CDS ON/OFF
PIR



To Match: Long press “Wireless Sensor” and “ON/OFF” button at the same time. The RF Signal will blinks three times.

To Clear: Long press “Wireless Sensor” and “ON/OFF” button at the same time. The RF Signal will blinks seven times.

FUNCTION OF REMOTE


Indicator Light
Brightness+
Brightness-
ON/OFF

APP CONTROL INSTRUCTION

1.Download [Tuya Smart] APP

⬇

2.Click "Register" button to create account

⬇

3.Log in directly if you already had account.

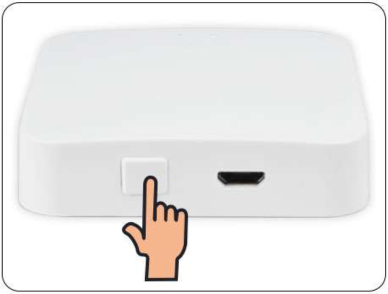
(Search for [Tuya Smart] in Apple / Google store or scan the QR code to download the app.)

CONNECT APP

1. Connecting the Wireless Gateway

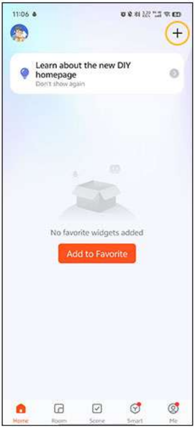
Login to Tuya APP, Click the “+” button on the upper right corner to add a new device, select “Wireless Gateway (Zigbee)”.

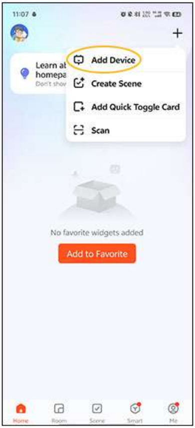
Select 2.4GHz WIFI network and enter password.

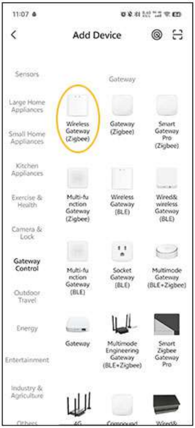


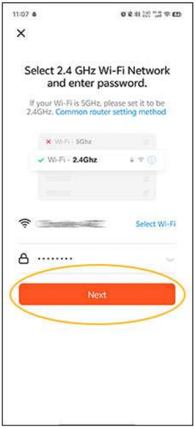
Power on the Wireless Gateway, long press the button of the device, waiting the blue light always on, and the red light blinks.

According to your gateway to choose blink slowly or blink quickly, then waiting to connect the device.


11:06
Learn about the new DIY homepage
Don't show again
No favorite widgets added
Add to Favorite
Home
Room
Scene
Smart
Me


11:07
Learn ab
homepa
Don't show
Add Device
Create Scene
Add Quick Toggle Card
Scan
No favorite widgets added
Add to Favorite
Home
Room
Scene
Smart
Me


11:07
Add Device
Sensors
Large Home Appliances
Small Home Appliances
Kitchen Appliances
Exercise & Health
Camera & Lock
Gateway Control
Outdoor Travel
Energy
Entertainment
Industry & Agriculture
Others
Gateway
Wireless Gateway (Zigbee)
Gateway (Zigbee)
Smart Gateway Pro (Zigbee)
Multi-function Gateway (Zigbee)
Wireless Gateway (BLE)
Wired& wireless Gateway (BLE)
Multi-function Gateway (BLE)
Socket Gateway (BLE)
Multimode Gateway (BLE+Zigbee)
Gateway
Multimode Engineering Gateway (BLE+Zigbee)
Smart Zigbee Gateway Pro
4G
Compound
Wired&


Select 2.4 GHz Wi-Fi Network and enter password.

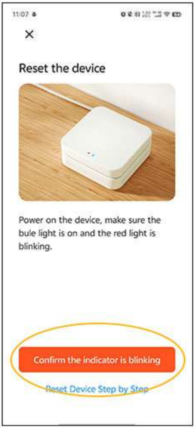
If your Wi-Fi is 5GHz, please set it to be 2.4GHz. Common router setting method

✗ Wi-Fi - 5Ghz
✓ Wi-Fi - 2.4Ghz

[redacted] Select Wi-Fi

•••••••••

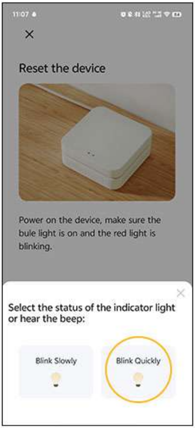
Next


11:07

Reset the device

Power on the device, make sure the bule light is on and the red light is blinking.

Confirm the indicator is blinking
Reset Device Step by Step

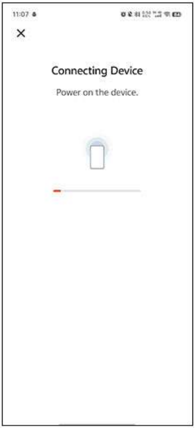

11:07

Reset the device

Power on the device, make sure the bule light is on and the red light is blinking.

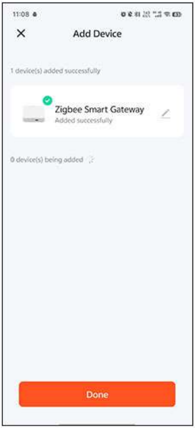
Select the status of the indicator light or hear the beep:

Blink Slowly
Blink Quickly



Connecting Device

Power on the device.


11:08
Add Device

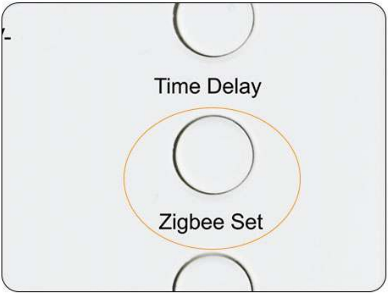
1 device(s) added successfully

Zigbee Smart Gateway
Added successfully

0 device(s) being added

Done

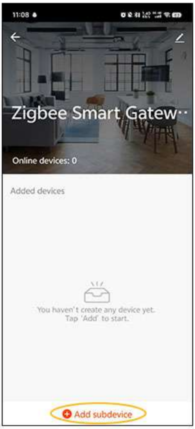
2. Zigbee Set


Time Delay
Zigbee Set

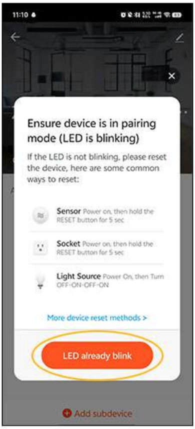
Enter the Zigbee Smart Gateway interface, click “Add subdevice”.

Long press the “Zigbee Set” button on the controller until the led strip flashes. Click “LED Already blinks”

It will automatically search, click "NEXT". Then it is added successfully.


11:08
Zigbee Smart Gatew··
Online devices: 0
Added devices
Add subdevice

You haven't create any device yet. Tap 'Add' to start.


11:10
LED already blink
Add subdevice

Ensure device is in pairing mode (LED is blinking)

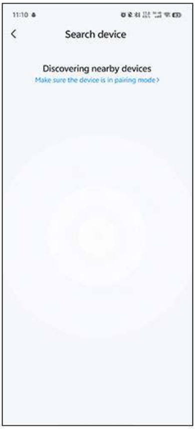
If the LED is not blinking, please reset the device, here are some common ways to reset:

Sensor Power on, then hold the RESET button for 5 sec

Socket Power on, then hold the RESET button for 5 sec

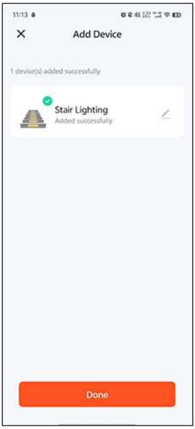
Light Source Power On, then Turn OFF-ON-OFF-ON

More device reset methods >


11:10
Search device

Discovering nearby devices

Make sure the device is in pairing mode >


11:13
Add Device
Done

1 device(s) added successfully

Stair Lighting

Added successfully

APP FUNCTION

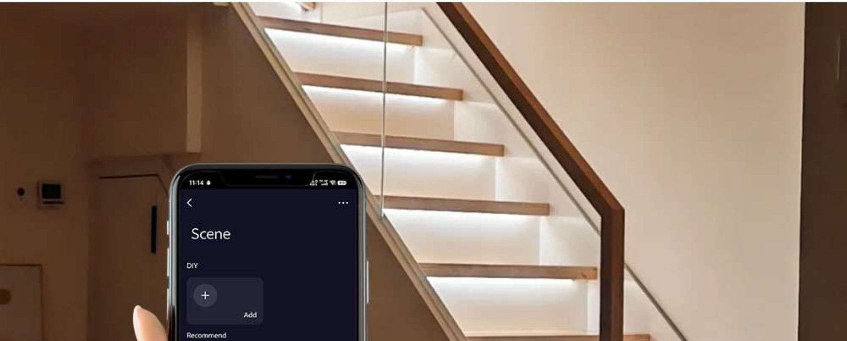
Adjust Brightness/ON/OFF

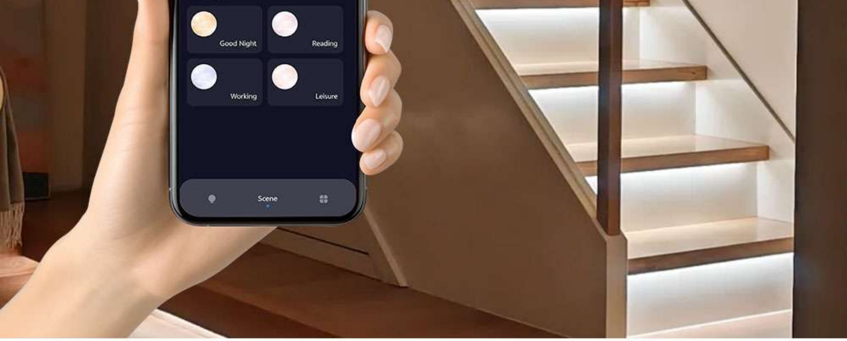
1%-100% brightness adjustable/ON/OFF

11:14
Stair Lighting
Switch
White
100%
Home

Scene Function

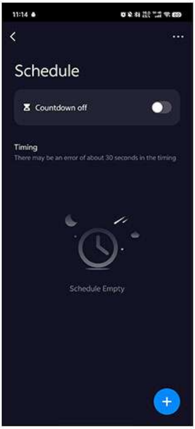
DIY/Good Night/Reading/Working/Leisure


11:14
Scene
DIY
+
Add
Recommend


Good Night
Reading
Working
Leisure
Scene

Setting Functionality

Schedule/Do Not Disturb/Default Light/Gradient

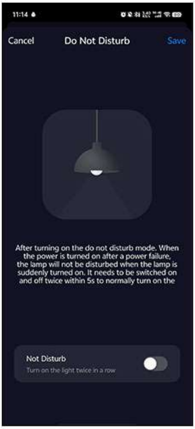

11:14
Schedule

Countdown off

Timing

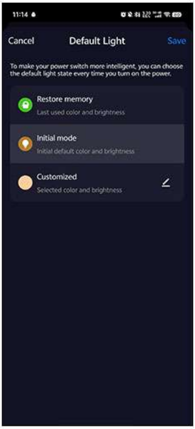
There may be an error of about 30 seconds in the timing

Schedule Empty


11:14
Cancel
Do Not Disturb
Save

After turning on the do not disturb mode. When the power is turned on after a power failure, the lamp will not be disturbed when the lamp is suddenly turned on. It needs to be switched on and off twice within 5s to normally turn on the

Not Disturb
Turn on the light twice in a row

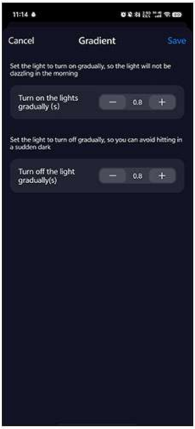

11:14
Cancel
Default Light
Save

To make your power switch more intelligent, you can choose the default light state every time you turn on the power.

Restore memory
Last used color and brightness

Initial mode
Initial default color and brightness

Customized
Selected color and brightness


11:14
Cancel
Gradient
Save

Set the light to turn on gradually, so the light will not be dazzling in the morning

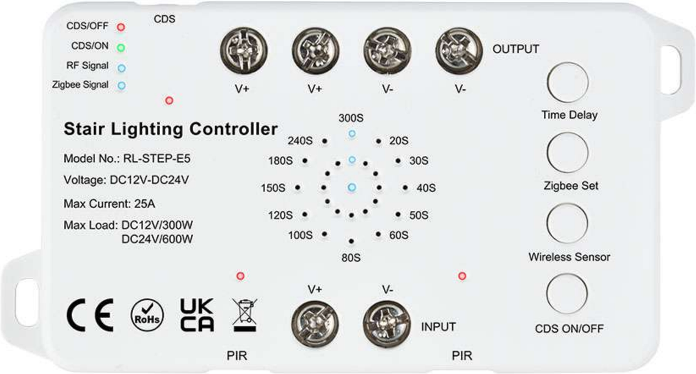
Turn on the lights gradually (s) − 0.8 +

Set the light to turn off gradually, so you can avoid hitting in a sudden dark

Turn off the light gradually(s) − 0.8 +

HOW TO USE

1 . Indicator light description


CDS/OFF
CDS/ON
RF Signal
Zigbee Signal
CDS
V+
V+
V-
V-
OUTPUT
Stair Lighting Controller
Model No.: RL-STEP-E5
Voltage: DC12V-DC24V
Max Current: 25A
Max Load: DC12V/300W
DC24V/600W
300S
240S
20S
180S
30S
150S
40S
120S
50S
100S
60S
80S
Time Delay
Zigbee Set
Wireless Sensor
CDS ON/OFF
V+
V-
INPUT
PIR
PIR

Delay time indicator (blue)

PIR sensor indicator (red)

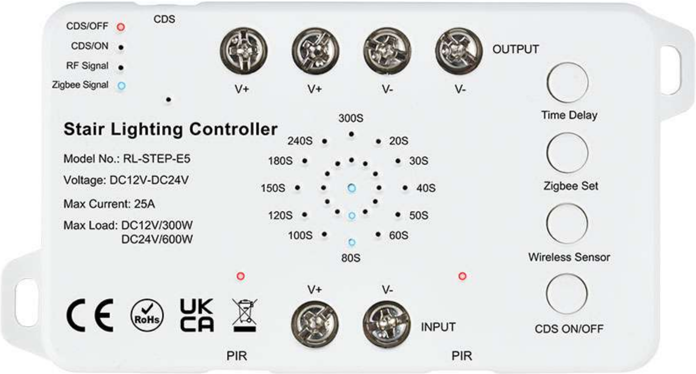
Daylight sensor operating indicator (red)

Zigbee Signal indicator (blue)

RF Signal indicator (blue)

CDS/OFF and CDS/ON switching indicator, CDS/OFF (red) CDS/ON (green)

2.Time delay


CDS/OFF
CDS/ON
RF Signal
Zigbee Signal
CDS
V+
V+
V-
V-
OUTPUT
Stair Lighting Controller
Model No.: RL-STEP-E5
Voltage: DC12V-DC24V
Max Current: 25A
Max Load: DC12V/300W
DC24V/600W
300S
240S
20S
180S
30S
150S
40S
120S
50S
100S
60S
80S
Time Delay
Zigbee Set
Wireless Sensor
CDS ON/OFF
V+
V-
INPUT
PIR
PIR

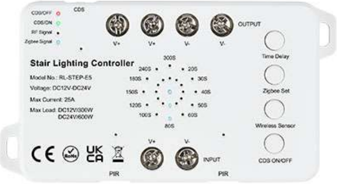
It have 12 options of delay time from 20 seconds to 300 seconds

3 . CDS ON/OFF

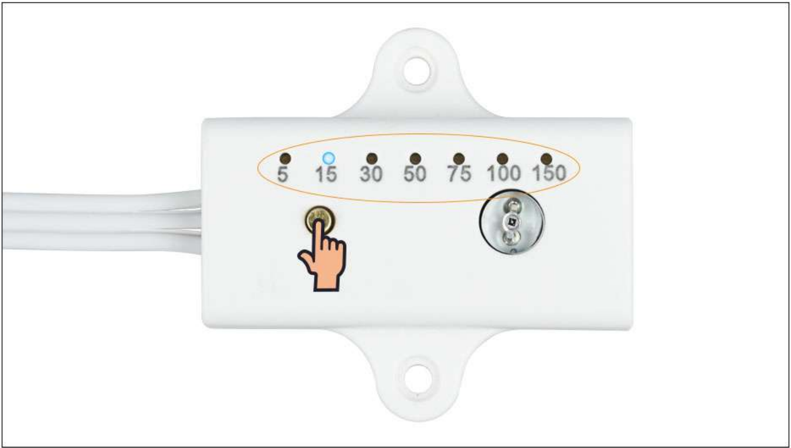
Long press "CDS ON/OFF" to switch between CDS ON and CDS OFF

CDS/OFF: PIR Sensor works day and night

CDS/ON: PIR Sensor works at night


CDS/OFF
CDS/ON
RF Signal
Zigbee Signal
CDS
V+
V+
V-
V-
OUTPUT
Stair Lighting Controller
Model No.: RL-STEP-E5
Voltage: DC12V-DC24V
Max Current: 25A
Max Load: DC12V/300W
DC24V/600W
300S
20S
30S
40S
50S
60S
80S
100S
120S
150S
180S
240S
Time Delay
Zigbee Set
Wireless Sensor
CDS ON/OFF
V+
V-
INPUT
PIR
PIR

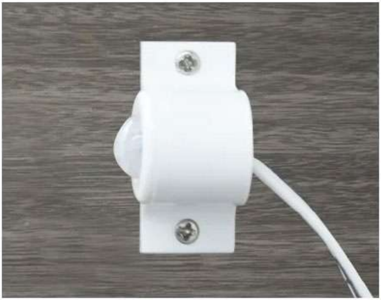
4 . Daylight Sensor


5
15
30
50
75
100
150

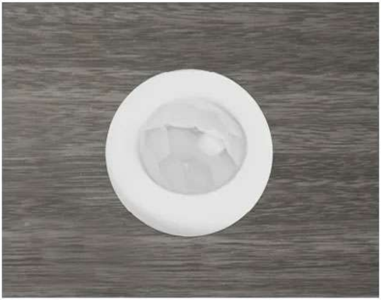
The Daylight sensor does not need to be placed visibly near the steps, but it should be able to detect light and dusk.

1x Press	5 Lux - The sensors will work when it is quite dark
2x Press	15 Lux
3x Press	30 Lux
4x Press	50 Lux
5x Press	75 Lux
6x Press	100 Lux
7x Press	150 Lux - The sensors will work in dim ambient light

5.Sensor installation method



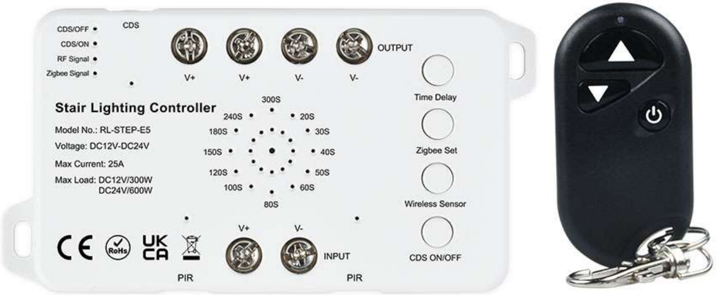
Surface



Recessed

APPLICATION SCENARIO

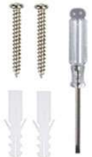
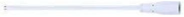
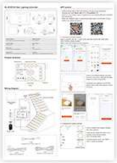
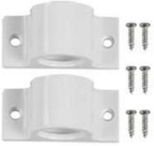
PRODUCT LIST


CDS/OFF
CDS/ON
RF Signal
Zigbee Signal
CDS
V+
V+
V-
V-
OUTPUT
Time Delay
Stair Lighting Controller
Model No.: RL-STEP-E5
Voltage: DC12V-DC24V
Max Current: 25A
Max Load: DC12V/300W
DC24V/600W
300S
20S
30S
40S
50S
60S
80S
100S
120S
150S
180S
240S
Zigbee Set
Wireless Sensor
CDS ON/OFF
V+
V-
INPUT
PIR
PIR
CE
RoHS
UK CA

Wire length: 5m

Wire length: 1m

Wire length: 1m

One main line: 16 terminals