

CG111 SERIES - FRENCH WALL BOX INSTALLATION

ZIGBEE WIRELESS SWITCH

USER MANUAL



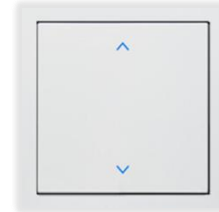
CG111S1
One Gang Switch



CG111S2
Two Gang Switch



CG111S2-H4
4 Button Mood Panel
With Two Gang Switch



CG111S2-CCP
One Gang Curtain
Control Switch



CG111DM
One Gang Dimmer



CG111DM-H4
4 Button Mood Panel
With One Gang Dimmer



French wall box

VERSION 0.0

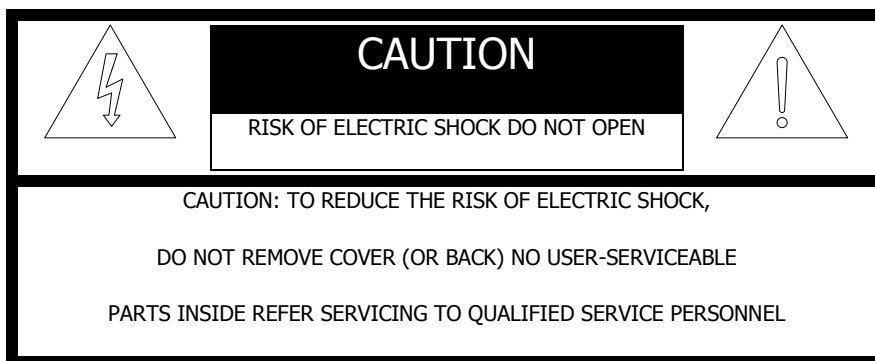
1ST APRIL, 2014



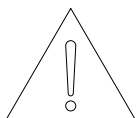
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The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

IMPORTANT SAFETY INSTRUCTIONS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards.

There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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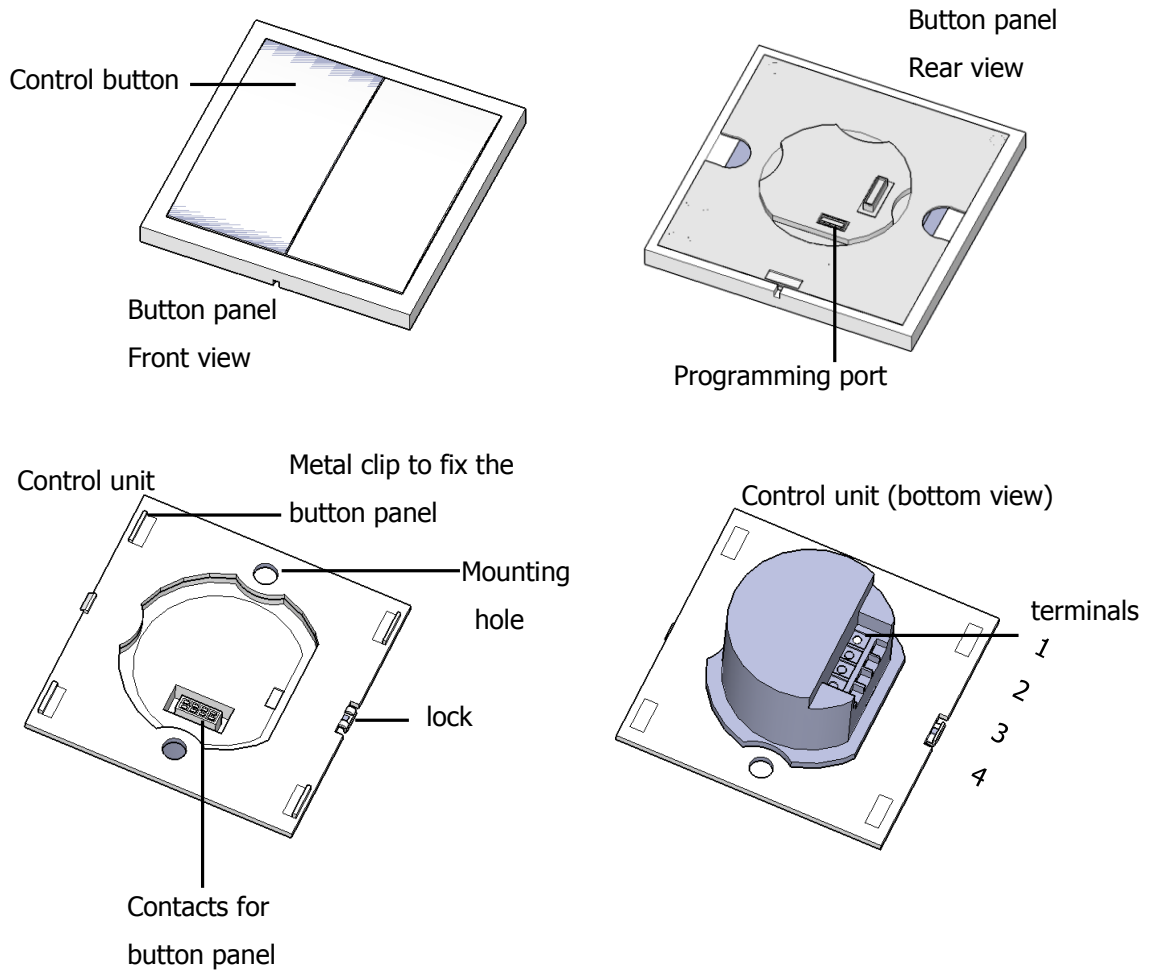
1. Introduction

Thank you for buying Citygrow's product. CG111 Series is both powerful and easy to use and install. It is specially designed for French wall box installation. It is for wireless remote control Home Automation purpose.

Description

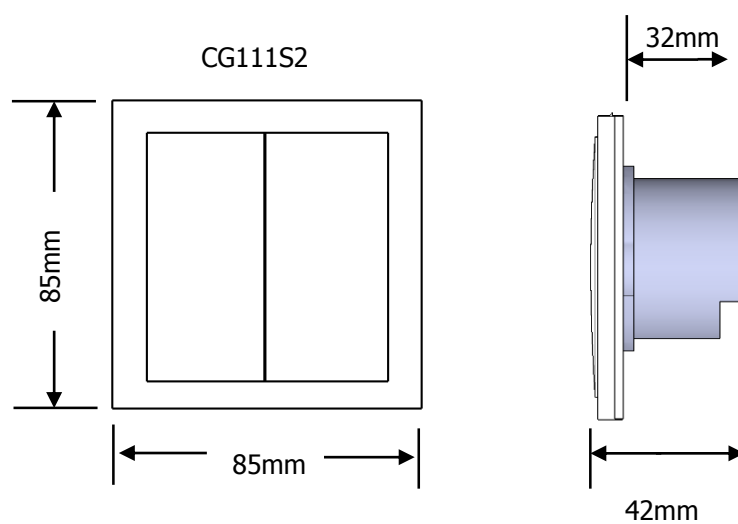
1. ZigBee wireless remote control.
2. Based on IEEE 802.15.4.
3. 2.4GHz radio frequency.
4. CG111S1, S2, DM is for lighting control
5. CG111S2-CCP is for control of electronic curtain or window blind.
6. CG111S2-H4 is Mood control panel for scene setting, built-in with two gang switch.
7. CG111DM-H4 is Mood control panel for scene setting, built-in with one gang dimmer.
8. LED indicator for on/off status.
9. Load/ loads are directly driven by the build-in driver.
10. Control button can be configured to become two way function.
11. Control button can be configured to become scene function.
12. Support iPhone, iPad and Android mobile control if CG102BS Base station is purchased.
13. Control button graphics can be tailor-made per customer requirement.
14. Mounted in a standard UK wall box.
15. No EIB / Bus required
16. Easy to install.

2. Understanding of the product



| Load terminals | 1 | 2 | 3 | 4 |
|---|----------------|---------------|----------|----------|
| CG111S1 One Gang Switch | NC | Load1 | Neutral | Live |
| CG111S2 Two Gang Switch | Load2 | Load1 | Neutral | Live |
| CG111S2-H4 4 Button Mood Panel with Two Gang Switch | Load2 | Load1 | Neutral | Live |
| CG111DM One Gang Dimmer | NC | Load1 | Neutral | Live |
| CG111DM-H4 4 Button Mood Panel with One Gang Dimmer | NC | Load1 | Neutral | Live |
| CG111S2-CCP One Gang Curtain Control Switch | Motor Backward | Motor Forward | Neutral | Live |
| | | | | |

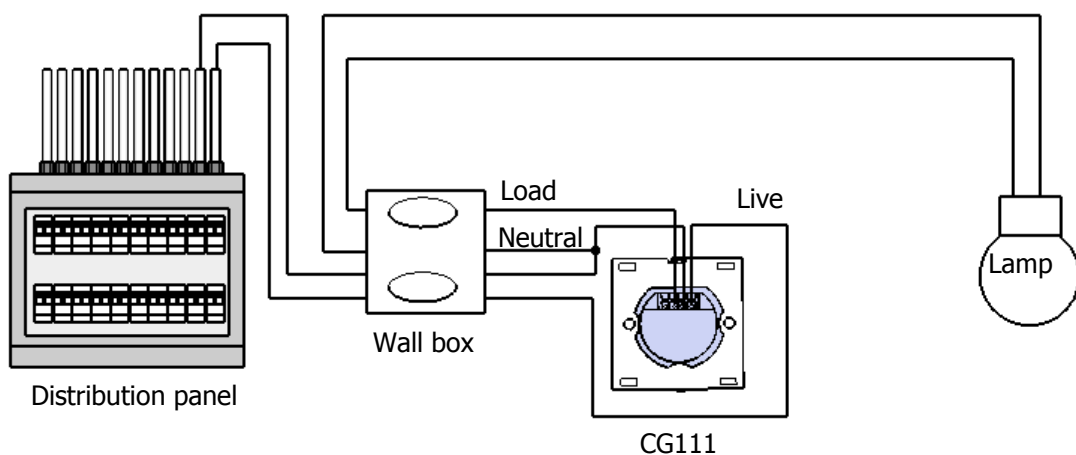
3. Dimensions



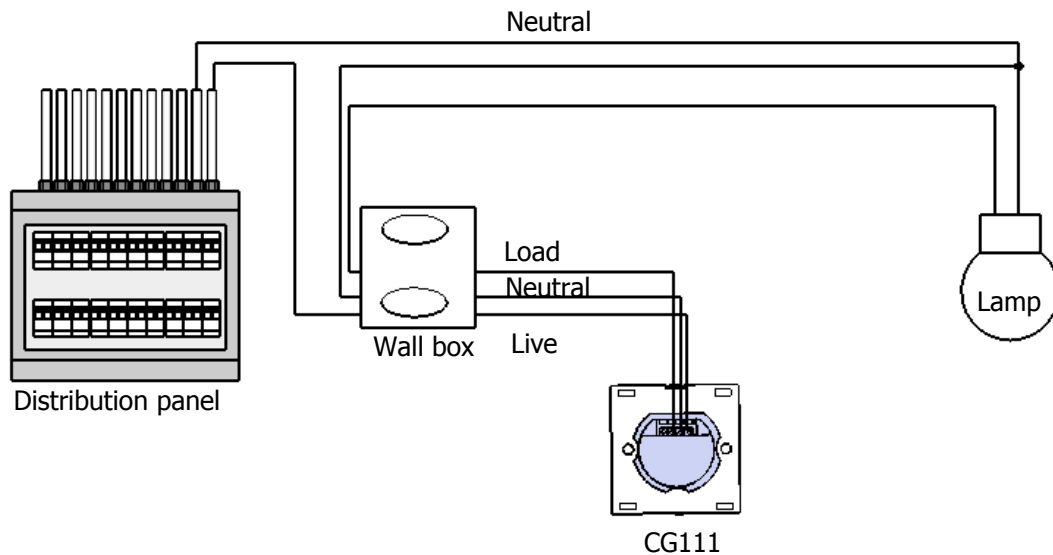
4. Wiring-CG111S1, CG111S2, CG111S2-H4, CG111DM, CG111DM-H4

Notes: The Neutral wire of load is closely connected to the Neutral point of CG111.

Situation 1: Live, Neutral and Load wires are ready at wall box



Situation 2: Live and Load wires are ready at wall box, Neutral wire is only ready at ceiling



Before getting started



WARNING! It must be installed by a qualified electrician in accordance with all applicable regulations and building codes. Improper wiring can result in personal injury or damage to control units or other equipment. Always turn off circuit breaker or remove main fuse from power line before doing any work. To avoid overheating and possible damage to equipment.



WARNING! Do not operate when any lamps removed or burned out; replace any burned out lamps immediately; use only transformers that incorporate thermal protection or fused primary windings. ! This product is designed for residential and commercial use, for indoor use only.



WARNING! Install in accordance with all national and local electrical codes.

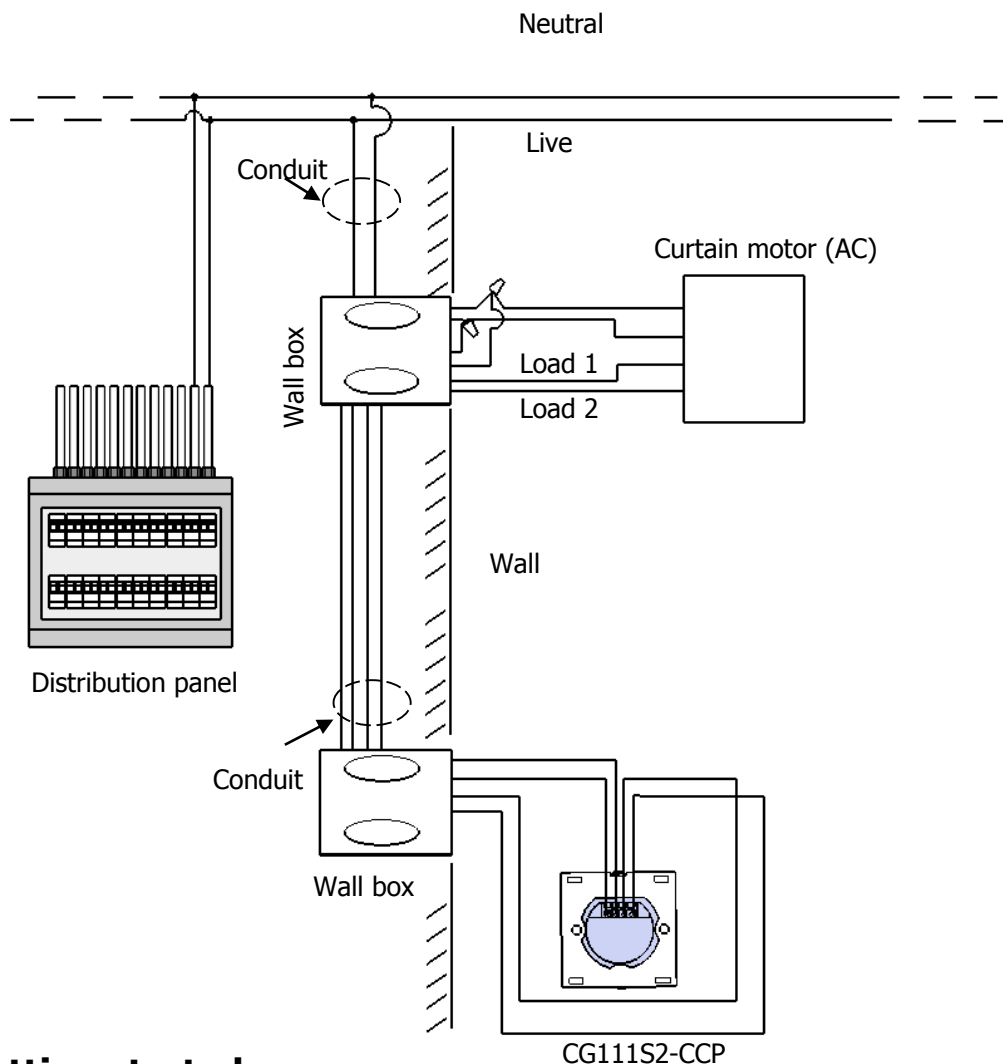


IMPORTANT! Citygrow® is not liable for any damage incurred with the misuse of this product.



IMPORTANT! Pre-setup can only be done by a professional worker or manufacturer agent.

5. Wiring-CG111S2-CCP



Before getting started



WARNING! It must be installed by a qualified electrician in accordance with all applicable regulations and building codes. Improper wiring can result in personal injury or damage to control units or other equipment. Always turn off circuit breaker or remove main fuse from power line before doing any work. To avoid overheating and possible damage to equipment.



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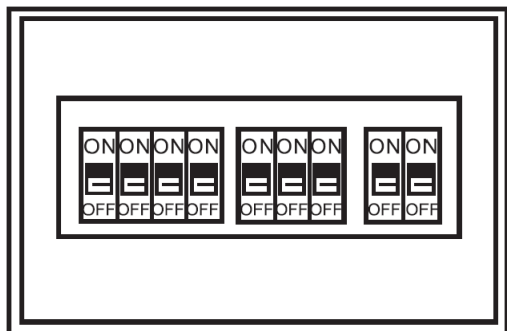


IMPORTANT! Pre-setup can only be done by a professional worker or manufacturer agent.

6. Installation

In order to install the product correctly, please follow the below steps:

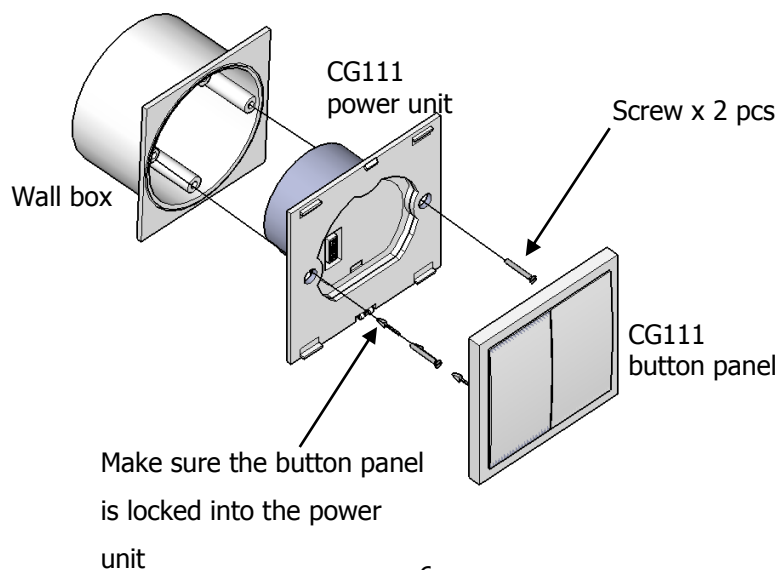
STEP 1: IMPORTANT! Turn off main power at the main switch board.



STEP 2: Loosen the screws of the original wall switch. Remove the switch and disassemble the wiring.

STEP 3: Connect the main power cable to the Live and Neutral terminals and the load cable to the Load terminals at the rear cabinet of the product.

STEP 4: Fasten the screws of all terminals and check that the wires are properly secured. Retrofit the switch into the standard switch box and mount it on the wall by fastening the two screws at the rear of the switch box.

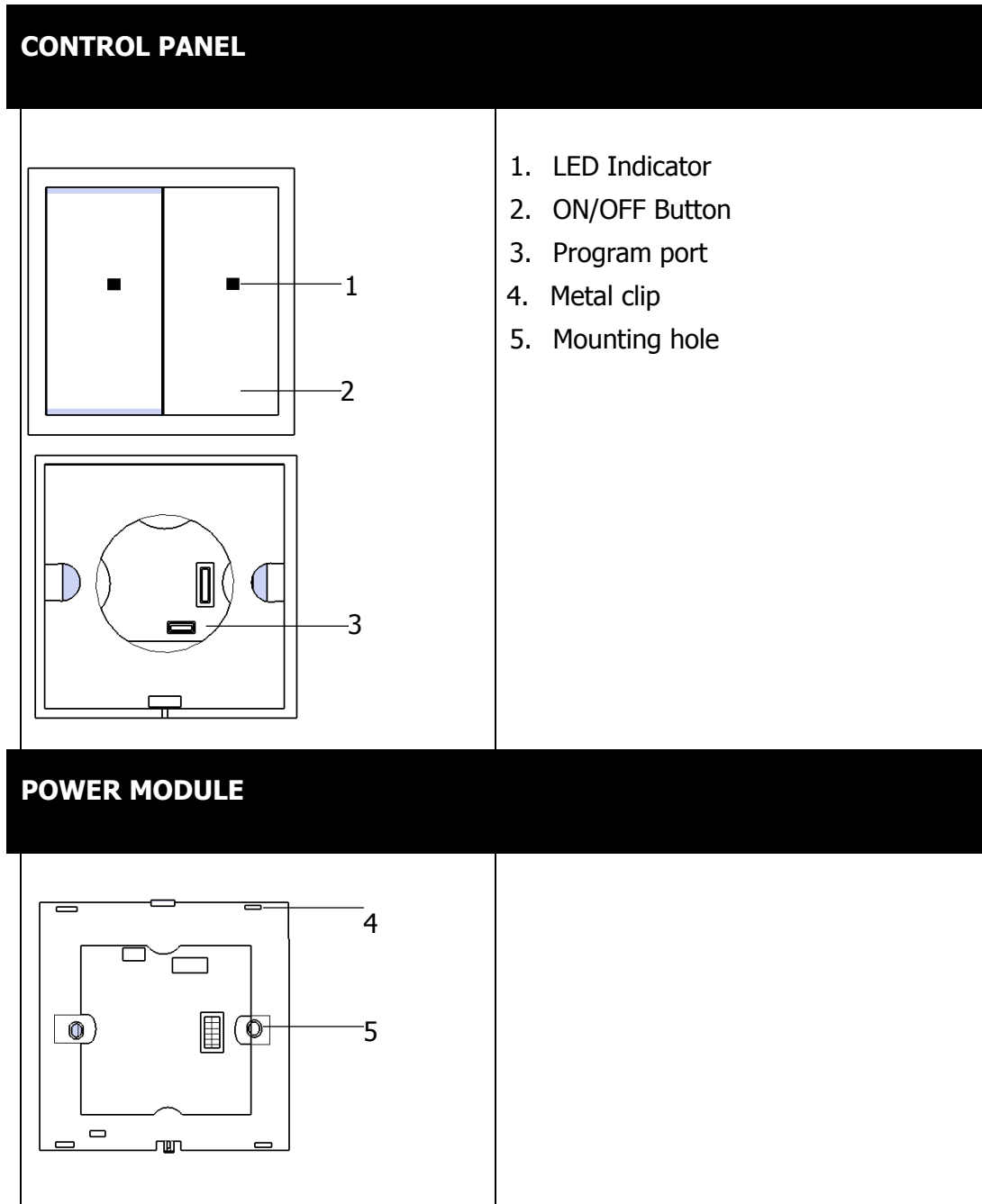


STEP 5: Push the ON/OFF button, to test whether the wiring has been connected correctly. If the ON/OFF Button does not function as expected, please check the wiring connection again.

Notes: Use standard French type wall box. During installation of the wall box, it is recommended to embed the wall box deeper inside the wall in order to give more room to install the product.

7. Operation instruction

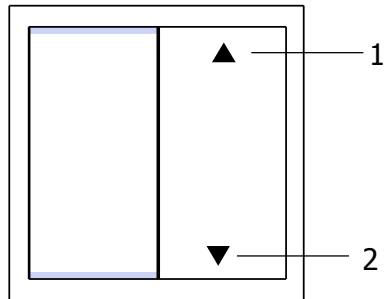
7.1. CG111S1, CG111S2



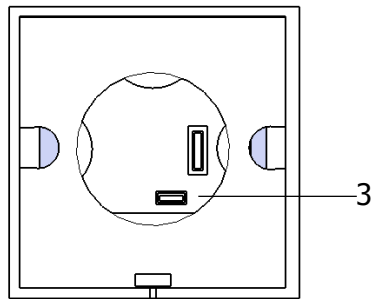
- Press ON/OFF Button once to toggle between ON and OFF.
 - **BRIGHT** LED indicates that the Switch is ON.
 - **DIMMED** LED indicates that the Switch is OFF.

7.2. CG111DM, CG111DM-H4

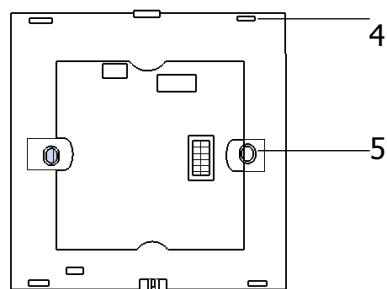
CONTROL PANEL



1. Dim Up/LED Indicator
2. Dim Down/LED Indicator
3. Program port
4. Metal clip
5. Mounting hole



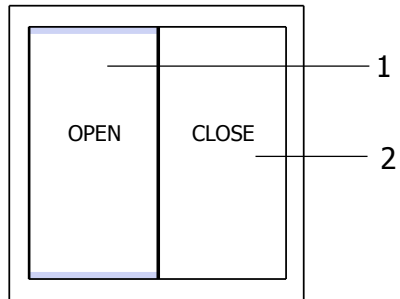
POWER MODULE



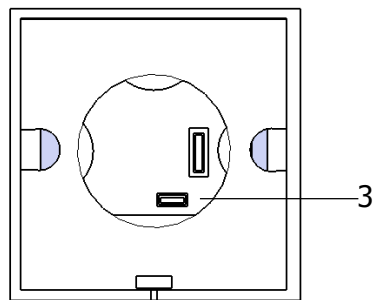
- Press the Dim Up/Dim Down button **ONCE** to Toggle between ON and OFF.
 - LED **FLASHING** indicates that that the Button was pressed and dimming is in progress.
 - When the LED stops flashing, it indicates that the dimming is complete.
- Press and **HOLD** the Dim Up/Dim Down button to begin dimming.
 - Release the button at desired level.

7.3. CG111S2-CCP

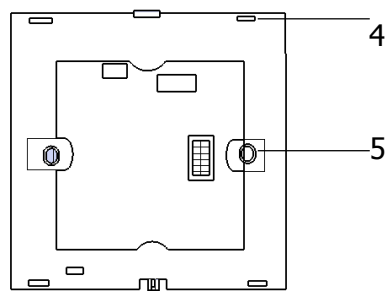
CONTROL PANEL



1. Open button
2. Close button
3. Program port
4. Metal clip
5. Mounting hole



POWER MODULE

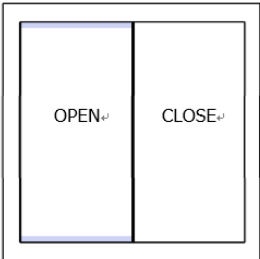
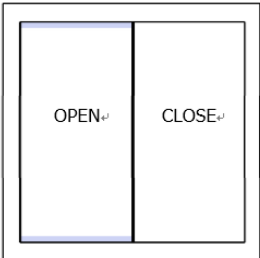
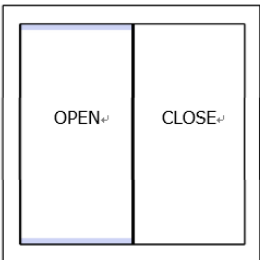


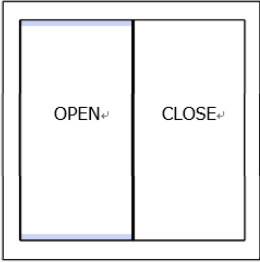
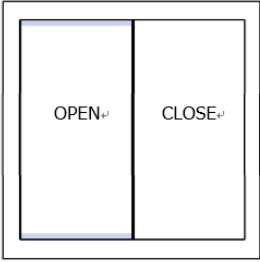
- Press the Open/Close Button once to control the electric curtain.
 - When the electric curtain is stopped, press the **OPEN** button to open the electric curtain.
 - When the electric curtain is stopped, press the **CLOSE** button to close the electric curtain.
 - When the electric curtain is running, press **ANY** button to stop the electric curtain.

7.3.1. Setting the open and close travel distant for the curtain.

The function of the Learning Mode in the CG111S2-CCP is to program the duration of the curtain Opening/Closing time.

In order to perform the Learning Mode function, please follow the below steps:

| | |
|---|--|
|  | <p>STEP 1</p> <ul style="list-style-type: none"> - Press the CLOSE Button until the curtain is fully closed. <p>NOTE: You may have to press the Button once or more times in order for the curtain to be fully closed.</p> |
|  | <p>STEP 2</p> <ul style="list-style-type: none"> - Press and HOLD the Reset Button. - While still holding the Reset Button, press and HOLD the Open Button. |
|  | <p>STEP 3</p> <ul style="list-style-type: none"> - Release the Reset Button. - Wait until the LED Indicators begins BLINKING. - Release the Open Button. |

| | |
|---|--|
| | <p>NOTE: The curtain should be opening at this point.</p> |
|  | <p>STEP 4</p> <ul style="list-style-type: none"> - Once the curtain is fully opened, press and release any Button. <p>NOTE: The duration of the Opening/Closing time will be stored once the Button is pressed.</p> |
|  | <p>STEP 5</p> <ul style="list-style-type: none"> - Use a thin object to press the Reset Button again. - The learning process of the CG111S2-CCP has now finished. |

8. Adding the product to your Home Wireless ZigBee Network

| | |
|--|---|
| <p>The diagram illustrates the connection process in three steps:</p> <ol style="list-style-type: none"> STEP 1: A cable is shown being inserted into a 5-pin connector on the back of a device. STEP 2: The other end of the cable is shown being inserted into a mini USB port. STEP 3: The mini USB port is shown being inserted into the USB port of a laptop. | <p>STEP 1</p> <p>Open the front cover, you will see a 5 pin connector.</p> <p>STEP 2</p> <p>Plug the CG101UT5 cable into the 5 pin connector of the product, and then plug the other end of the CG101UT5 cable into the mini USB end of the CG101UTC cable.</p> <p>STEP 3</p> <p>Plug the CG101UTC cable into the USB port of a PC that is installed with Citygrow’s HomeNET Planner Software.</p> <p>STEP 4</p> <p>Refer to the user manual of “HomeNET Planner” Software to program and set the address of the product.</p> |
|--|---|

9. Specification

| | CG111S1 | CG111S2 CG111S2-H4 | | CG111DM CG111DM-H4 | | CG111S2-CCP | |
|--|------------------|-----------------------|--|--|--|---------------------------------|--|
| Description | One Gang Switch | Two Gang Switch | | One Gang Dimmer (Leading Edge Dimming) | | One Gang Curtain Control Switch | |
| Operating voltage | AC220-240V, 50Hz | | | | | | |
| Maximum number of devices included in scene setting** (Remarks 1, 2) | 50 | 50 | | 50 | | NO | |
| **Remarks: 1. When up button is used for dimming up function, the down button cannot be programmed as scene function 2. Maximum number of devices programmed into the whole product is limited to 50 devices 3. The maximum load requirements for fluorescent, CFL and LED loads can vary greatly depending upon the specific fixture and /or bulb being used. 4. When dimming transformer is connected to CG111, make sure "dimmable" and "leading edge" type is used. Furthermore, the dimming performance varies greatly from manufacturer to manufacturer of the bulb and the dimming transformer. It is recommended to test the matching performance before mass deployment. | | | | | | | |
| Minimum dimming level setting | NO | NO | | YES | | NO | |
| Memory dim function | NO | NO | | YES | | NO | |
| Two way control function | YES | YES | | YES | | YES | |
| | | | | | | | |
| RF frequency | 2.4GHZ | 2.4GHZ | | 2.4GHZ | | 2.4GHZ | |
| Remote control distance (M, line of sight) | 100M | 100M | | 100M | | 100M | |
| Dimensions mm (Length x Width x Depth) | 85x85x42 | 85x85x42 | | 85x85x42 | | 85x85x42 | |
| Recommended operation temperature | 0 to 40 degC | 0 to 40 degC | | 0 to 40 degC | | 0 to 40 degC | |

| | CG111S1 | CG111S2 CG111S2-H4 | | CG111DM CG111DM-H4 | | CG111S2-CCP | |
|---|--|--|--|--|--|---------------------------------|--|
| Description | One Gang Switch | Two Gang Switch | | One Gang Dimmer (Leading Edge Dimming) | | One Gang Curtain Control Switch | |
| Resistive load 1. Incandescent 2. Halogen 3. Electronic low voltage – ELV transformer | 500W | 500W / gang | | 200W | | | |
| Inductive load 1. Magnetic low voltage – MLV transformer. 2. Iron core / Inductive transformer | 500VA | 500VA/ gang | | 200VA | | | |
| Fluorescent | 350W | 350W / gang | | | | | |
| Compact fluorescent - CFL | 200W Max. 12 pcs CFL** | 200W / gang Max. 12 pcs CFL/Gang** | | 200W Dimmable CFL Max. 10 pcs CFL** | | | |
| LED – GU10 | 100W | 100W / gang | | 80W | | | |
| LED – MR16, MR11 With electronic low voltage LED driver | 200W Max. 12 pcs ELV LED driver** | 200W / gang Max. 12 pcs ELV LED driver /Gang ** | | 80W Max. 10 pcs ELV LED driver** | | | |
| LED strip With electronic low voltage driver | 200W Max. 5 pcs ELV LED driver** | 200W / gang Max. 5 pcs ELV LED driver /Gang ** | | | | | |
| Exhaust fan | 200VA | 200VA / gang | | | | | |
| 3 wire type AC curtain motor | | | | | | 200VA | |
| Minimum load | | | | 5W | | | |

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