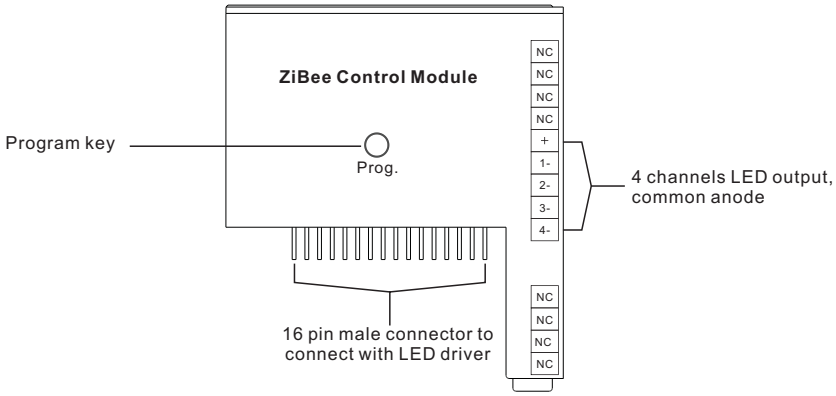
Plug-in Type ZigBee Control Module for 4 Channels Output LED Drivers

09.09ZG4CH.04735

Important: *Read All Instructions Prior to Installation*

Function introduction



Features

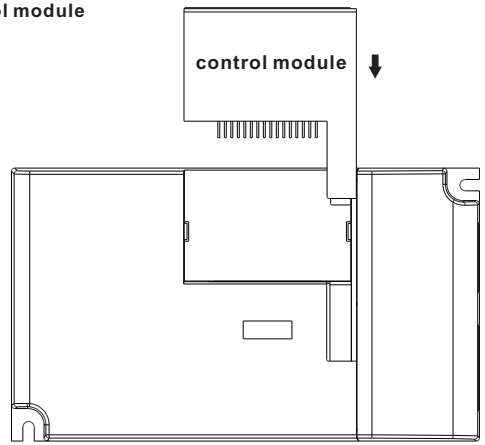
- ZigBee control module based on ZigBee 3.0 protocol
- Works with plug-in control module 4 channels output LED drivers
- Enables to control ON/OFF, light intensity, RGB color and color changing effect of RGBW LED
- W channel can not controlled independently, but can be switch on/off and dimmed together with RGB channels
- Supports Touchlink commissioning
- Can directly pair to a compatible ZigBee remote via Touchlink without coordinator
- Supports find and bind mode to bind a ZigBee remote directly without coordinator
- Compatible with universal ZigBee gateway products
- Compatible with universal RGBW ZigBee remotes
- Waterproof grade: Ip20

Safety & Warnings

- DO NOT assembly the control module with power applied to the LED driver.
- DO NOT expose the module to moisture.
- DO NOT change the control module within 1 minute after powering off the driver to avoid burning-out.

Operation

1.Assemble the control module



2.LED Driver Wiring:

Once the control module is assembled to the LED driver, do wiring of LED driver according to the wiring diagram.

3.This ZigBee device is a wireless receiver that communicates with a variety of ZigBee compatible systems. This receiver receives and is controlled by wireless radio signals from the compatible ZigBee system.

4.Zigbee Network Pairing Via Coordinator (Hub or controller interface)

1) By factory default, the device does not belong to any ZigBee Network, and the connected LED light will be under a slow rhythm breath status.
2) Before Pairing to current ZigBee Network, please remove the device from previous Network that it was paired to if any. (from your ZigBee Controller or hub interface or by manual)
3) From your ZigBee Controller or hub interface, choose to add lighting device and enter Locating/Pairing mode as instructed by the controller.
4) Network Pairing Begins Automatically: Connected LED light blinks 6 times as the device automatically scans for a compatible network controller to pair with.
5) After the device is located and paired to the ZigBee network, the connected LED light will stop blinking and stay solid on, then the device will appear in your controller's menu.
6) The lighting device is now paired to the ZigBee network and can be controlled by ZigBee controller or hub interface.

5.Pair a compatible ZigBee remote to the device via Touchlink without Coordinator

1) The lighting device does not belong to any ZigBee network by factory default and the connected LED light will be under a slow rhythm breath status..
2) Power off and power on the LED driver continuously for 3 times (or click the “Prog” key 3 times continuously), the connected LED light flashes 6 times and stays solid on. Touchlink commissioning procedure of the device is initiated and a network is formed.
3) The device is to be discovered and paired via Toucklink commissioning procedure.
4) Bring the remote within 10cm of the device.
5) Set the remote to start Touchlink commissioning procedure. (please refer to its user manual to learn how).
6) There shall be indication on the remote that the remote is paired to the device via Touchlink successfully.

Note: each device can be paired to only one remote, and pairing to a new remote will remove the previous pairing.

6.Pair to a compatible ZigBee remote directly via Find and Bind Mode without Coordinator
1)Power off and power on the LED driver (initiator node) or click the “Prog” key to initiate find and bind mode, enable it to find and bind target. 25 seconds timeout if there is no target, repeat the operation.
2)Set the remote (target node) into find and bind mode, and enable it to find and bind initiator. (Please refer to its user manual to learn how)
3)There shall be indication on the remote that the remote bind the device successfully.

7.Binding Between the Device and ZigBee Remotes Via Coordinator (Hub or controller interface)
Once the device and compatible remotes are paired to the same network, from your ZigBee controller or hub interface, choose to bind the device to a remote as instructed by the controller. Then the device can be controlled by the remote.

Note: Each device can only bind with one group (any group) of a remote. Each device can bind with multiple remotes simultaneously.

8.Unbinding Between the Device and ZigBee Remotes Via Coordinator (Hub or controller interface)
Once the device and compatible remotes are bound, from your ZigBee controller or hub interface, choose to unbind the device from a remote as instructed by the controller.

9.Factory Reset the Device (Remove From ZigBee Network)
From the ZigBee Controller or Hub Interface

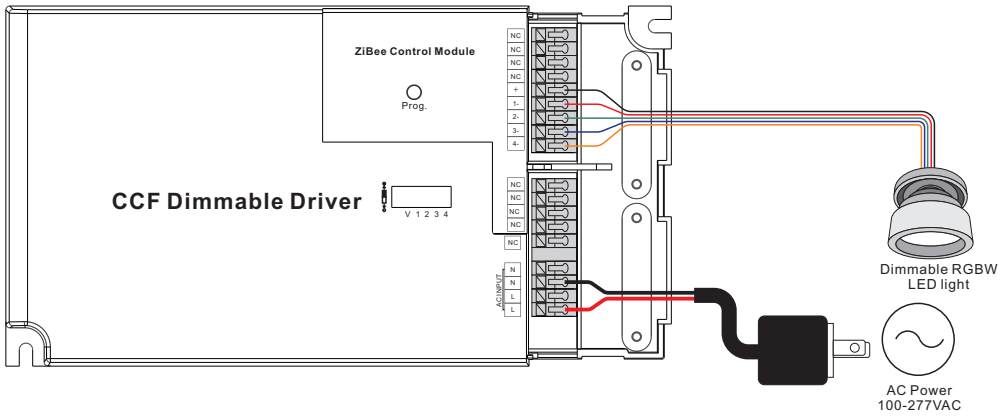
From your ZigBee controller or hub interface, choose to remove or reset the lighting device as instructed. The connected LED light will blink 3 times quickly and then stay a slow rhythm breath status to indicate successful reset.

Manual
Power off and power on the LED driver continuously for 5 times (or click the “Prog” key 5 times continuously). The connected LED light will blink 3 times quickly and then stay a slow rhythm breath status to indicate successful reset.
Note: All configuration parameters will be reset after the device is removed from the network.

10.ZigBee Clusters the device supports are as follows:
Input Clusters
- 0x0000: Basic
- 0x0003: Identify
- 0x0004: Groups
- 0x0005: Scenes
- 0x0006: On/off
- 0x0008: Level Control
- 0x0300: Color Control
- 0x0b05: Diagnostics

Output Clusters
- 0x0019: OTA

Wiring diagram
1.With Constant Current Driver



2.With Constant Voltage Driver