

Datasheet

Product Name : Zigbee 2.4G 4-in-1 Wireless lamp controller
(30M antenna)

Model No. : ZD-410AP RGBW
ZD-411AP RGBW

Release Date : 2020-09-08

Document version.

2018/03/02 Ver. 1.0
2019/05/12 Ver 1.1
2020/09/08 Ver 1.2

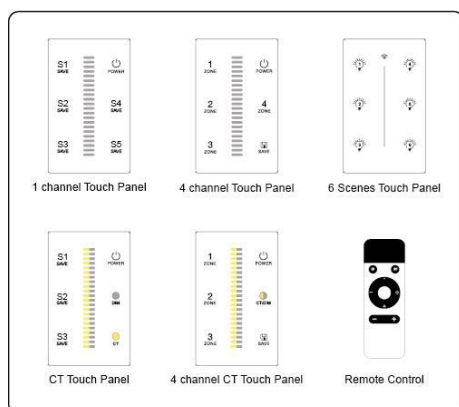
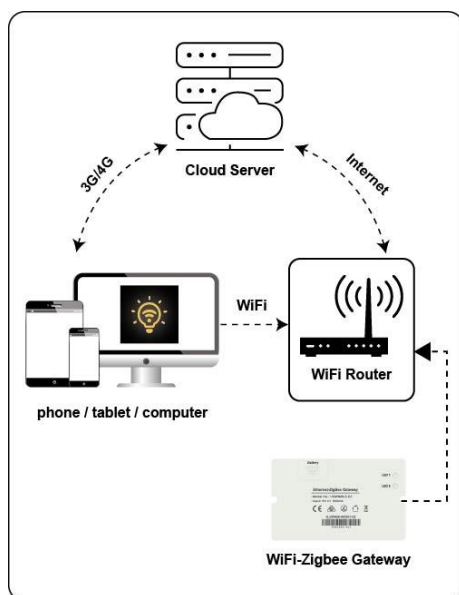
Approved	Audit	Design

1 Functions

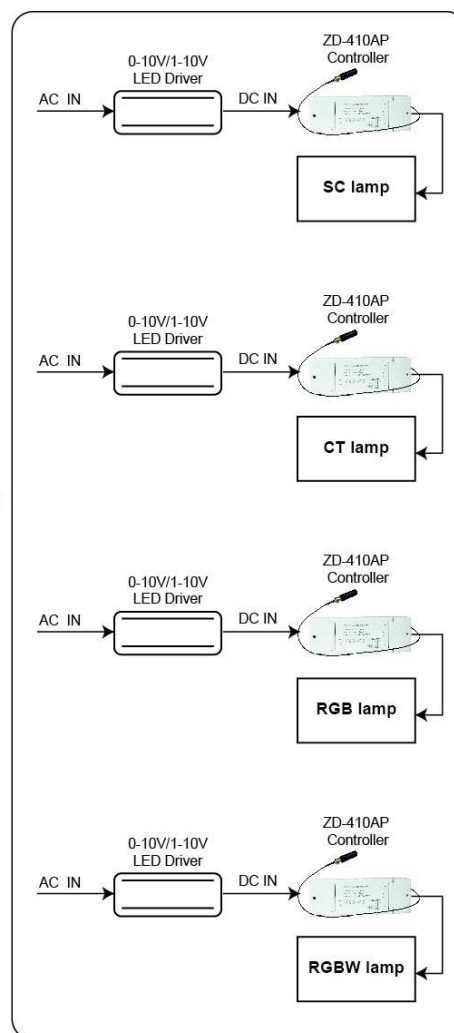
ZD-411AP RGBW is a zigbee wireless lamp controller with 4 functions (mono color, twin color/ RGB/ RGBW) in 1 model. (include 30M antenna) , based on ZLL / HA1.2 / Zigbee3.0 protocol, well suited with MEANWELL, Philips.. 0-10V dimmable LED drivers. This controller can be controlled by cellphone APP, Wall mount panel, remote controller, it also supports Daylight sensor,. Motion sensor. ZD-211P is compatible with”HUE” system of Philips, ”Lightify” of OSRAM and ”Lightify Pro” and other wireless gateway which based on ZLL / HA1.2/Zigbee3.0, it also compatible with echo/alexa from Amazon.

- ※ Via ZD620P & ZD630P Wall touch panel to realize monochrome lamp dimming.
- ※ Via ZD-610P remote controller to realize monochrome dimming or CT (twin colors changing).
- ※ Via ZD-650P Wall touch panel to realize monochrome, CT, RGB and RGBW controlling function..
- ※ Via Cellphone App to realize all 4 full functions controlling.

2 Infrastructure



Control



Equipment



Product photo

3 Connections Definition

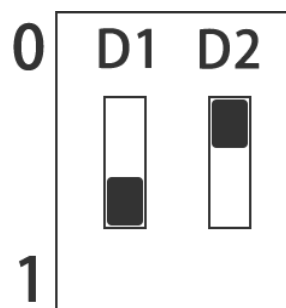
(1) The connection interface is defined as below :

		描述
DC IN	+	12V/24V Positive input
	-	12V/24V Negative input
DC OUT	+	Connect with LED PCB positive (co-use)
	1	Wiring as required function (to LED PCB)
	2	Wiring as required function (to LED PCB)
	3	Wiring as required function (to LED PCB)
	4	Wiring as required function (to LED PCB)

(2) Function selection jumper :

D1	D2	MODE
0	0	SC
0	1	CT
1	0	RGB
1	1	RGBW

Function table definition



Jumper position (e.g : 10)

(3) Wiring Diagram

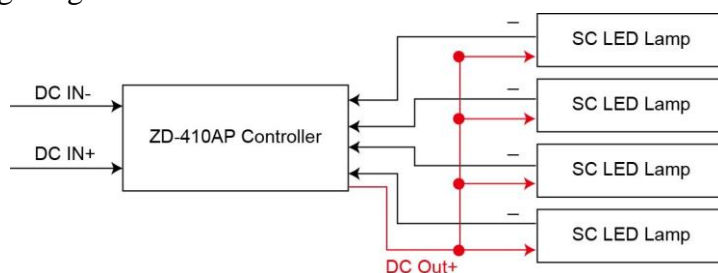


Fig.1 Monochrome LED- PCB to controller wiring

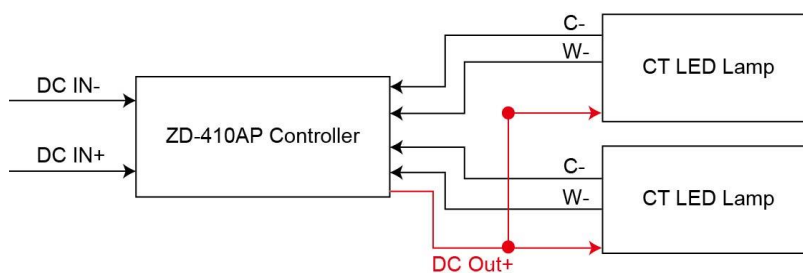


Fig.2 CT- (Twin colors) PCB to controller wiring

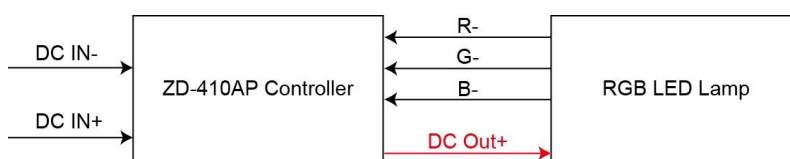


Fig.3 RGB- PCB to controller wiring

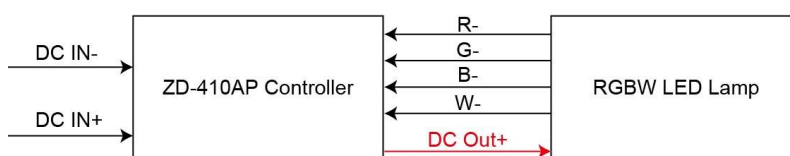


Fig.4 RGBW-PCB to controller wiring

4 Parameters

Param.	Description
Input Voltage	DC12V/24V /48V (Max.)
Output Voltage	6A Max /3A Max
Max. LED Load power	72W(DC12/24V)/144W (DC 48V)
Channels	RGBW 4 channels
Wireless Frequency	2.4G
Working Temp.	-20°C ~ 45 °C
Max. Transmit Distance	30m (Open space)
Idle Wattage Consumption	<0.2W

5 Dimensions

140 x 50 x 30mm

6 Weight

110g

7 Package

1pcs/Box