

SPECIFICATION

Product Name: Wireless Dimmable Controller

Product Model: HLC734-Z-xx-xx PRO

Issue Date: 2017-1-12

CUSTOMER APPROVED

APPROVED	SALES CHECKED	R&D CHECKED	PREPARED

1 Module Function

HLC734-Z is a kind of zigbee dimmable controller for UFO highbay. The controller is based on HA1.2 protocol, embedded power metering function. And the controller outputs 1-10V dimmable signal and AC. So it works with 0/1-10V or 0-10V dimmable LED driver on the market. There is a sensor interface for sensor input.

The controller is a part of iLightsln Pro smart lighting system. It gets the command from gateway, touch panel or sensor directly.



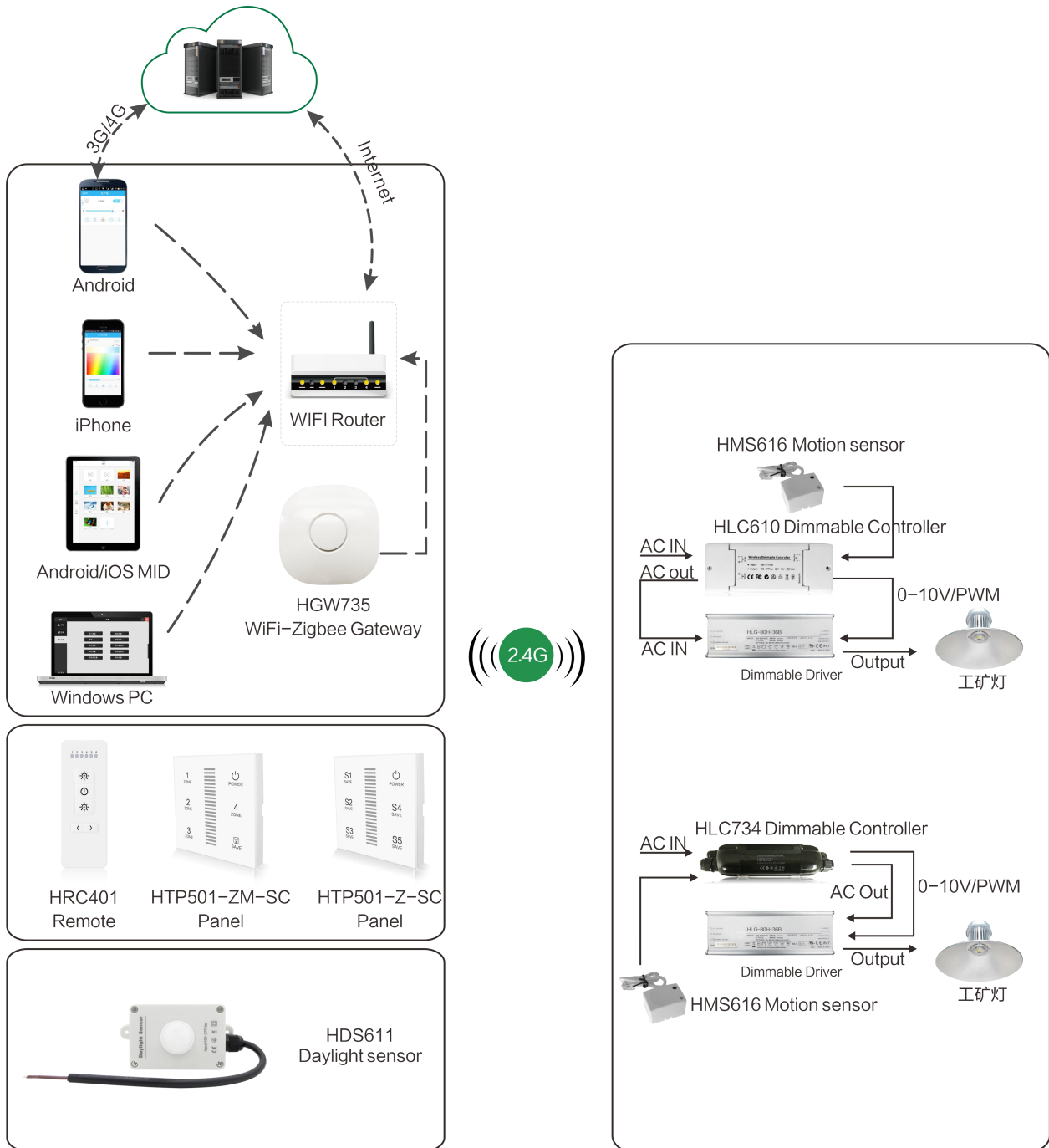
HLC734-Z-SC-A-PRO



HLC734-Z-SC-A-MD-PRO/HLC734-Z-SC-A-MB-PRO

2 System Diagram

The following describes the diagram of whole system.



Control

Lights

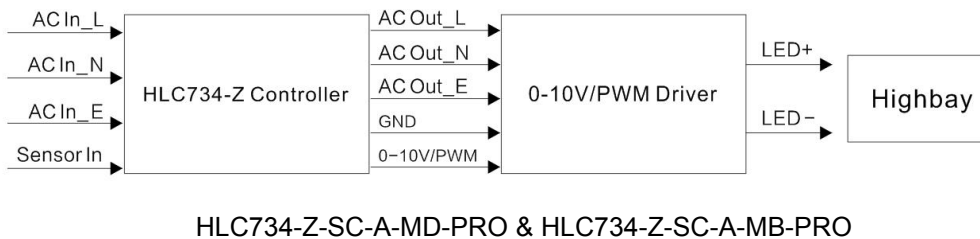
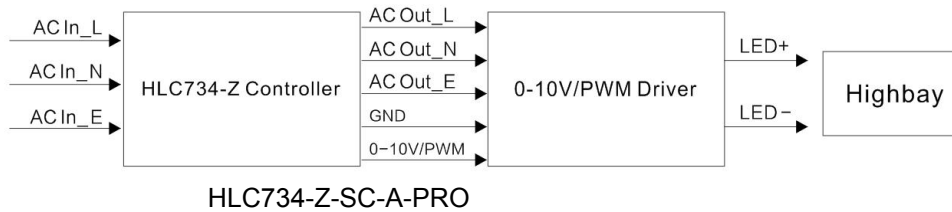
3 Input definition

The following is the input definition:

a) Interface definition:

		Description
AC In	L	Input AC100 – 277V L
	N	Input AC100 – 277V N
	E	Input AC100 – 277V E
AC Out	L	Output AC100 – 277V L(To LED driver)
	N	Output AC100 – 277V N(To LED driver)
	E	Output AC100 – 277V E(To Light)
Dim Out	DIM1+	Dimmable 0-10V output
	GND	0-10V GND
	DIM2+	CCT output 0-10V output
Sensor In	DC5V	Output to sensor
	GND	GND
	M/SCL	Motion Sensor Input
	D/SDA	Daylight Sensor Input

b) Wiring connection



4 Software operation

The following describes the operating steps.

- The LED Driver will flash 4 times on initial status after Power ON. It means the controller can be searched by APP.
- Power on gateway and open the APP, Add device in setting menu. And the initial controller will be found in APP.
- Create new area and add the controller in this area.
- Control the controller in Area menu.
- Make the binding with sensor or touch dimmer if need.

5 Part Number

Part Number	0-10V output	Power metering	Sensor interface	Motion Function	Daylight Function
HLC734-Z-SC-A-PRO	Y	Y	-	-	-
HLC734-Z-SC-A-MD-PRO	Y	Y	Y	Y	Y
HLC734-Z-SC-A-MB-PRO	Y	Y	Y	Y	-

6 Environment and Electrical parameters

Description as below:

Parameter	HLC734-Z-SC-A-PRO	HLC734-Z-SC-A-MD-PRO	HLC734-Z-SC-A-MB-PRO
Input	AC100-277Vac	AC100-277Vac	AC100-277Vac
Output 0-10V	0-10V	0-10V	0-10V
0-10V Max current	15mA	15mA	15mA
Relay Max current	5A	5A	5A
Frequency	2.4GHz	2.4GHz	2.4GHz
Operating Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Waterproof	IP65	IP65	IP65
Function	Basic version	Motion Binding Version	Motion&Daylight version
OTA	Yes	Yes	Yes
Power Metering	Yes	Yes	Yes

7 Size

195mmx50mmx50mm

iLightsln®

8 Weight

182g

9 Package

1pcs