

65361 / 65364

Driver

ZigBee 3.0

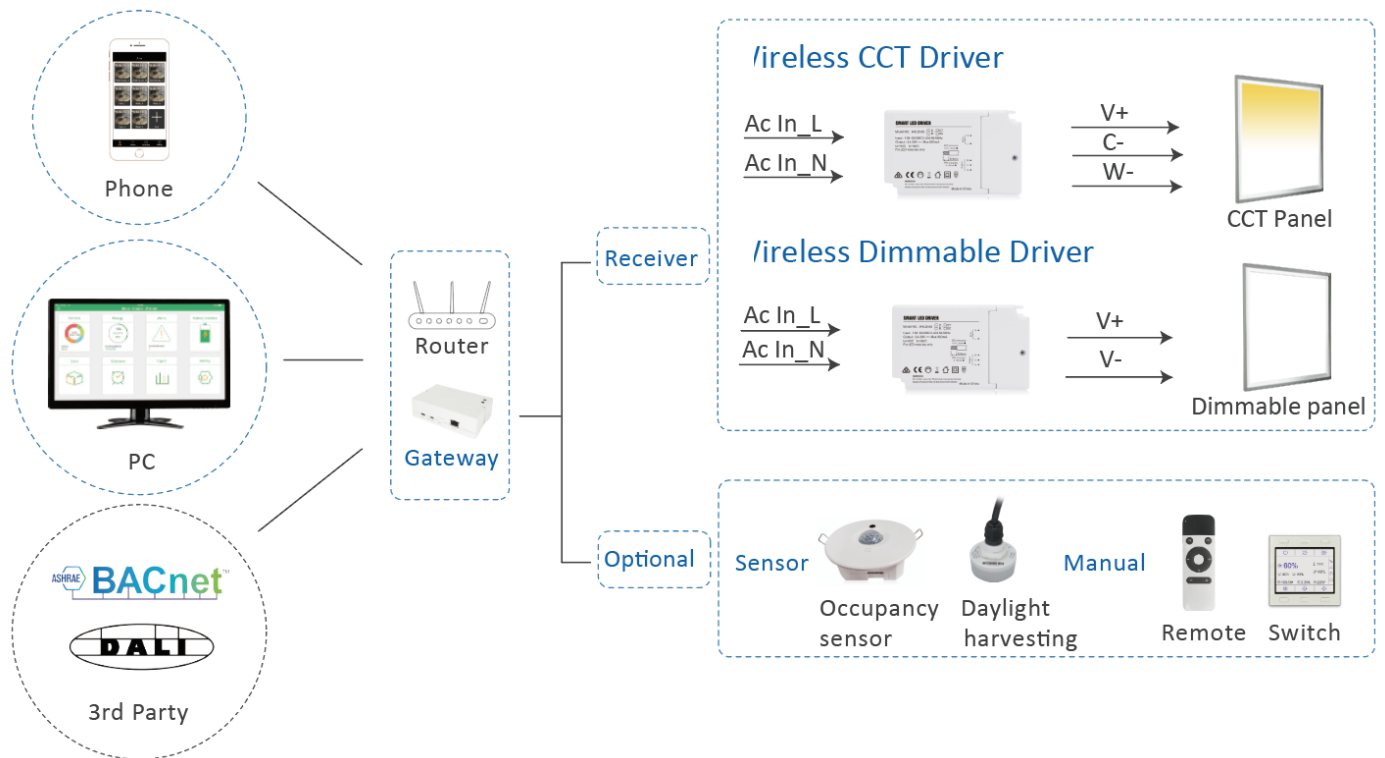
40W CCT/dimming



ZigBee 3.0 standard dimming driver for single color dimmable and CCT adjustable lights, output current selectable in DIP-switch. With OTA and power metering function (with or without power meter for option), this ZigBee driver is mainly applied in office, commercial lighting projects for smart control purposes.

ZigBee lighting control system to achieve short-distance or long-distance controlling led lights by Mobile Phone, Tablet, PC, Wall Switch, Remote Control, Daylight Sensor and Motion Sensor.

System Diagram



Parameter

Input Voltage	200-240V ac 50/60Hz
Output Voltage	24-42V DC (46VDC MAX at No Load)
Output Current	1050mA MAX \pm 5%
Max Output of Power	44W
Channel	1 channel (SC version), 2 channels (CCT version)
Control Range	30m
PF	> 0.9 (MAX Load)
Efficiency	85% max
Frequency	2.4GHz
Operating Temperature	-20° C to 55° C, (ta:55° C, tc:85° C)
Standby Power	< 0.8W (ZigBee 3.0 Protocol Version with Power Metering) < 0.5W (ZigBee 3.0 Protocol Version without Power Metering)
N.W.	SC 194g/ CT 213g (No external Antenna), external antenna+ 8g
G.W.	SC 217g/ CT 226g (No external Antenna), external antenna+ 8g
Size	118x 74x 32mm
Housing Material	ABS

Switch Definition

The maximum current output value can be set through the DIP switch, the setting table is as follows:

NO.	Switch Code	Current	Voltage	Power
1	0000	1050mA	24-42V	44.1W
2	0010	1000mA	24-42V	42W
3	0100	950mA	24-42V	39.9W
4	0110	900mA	24-42V	37.8W
5	1000	850mA	24-42V	35.7W
6	1001	800mA	24-42V	33.6W
7	1010	750mA	24-42V	31.5W
8	1011	700mA	24-42V	29.4W
9	1100	650mA	24-42V	27.3W
10	1101	600mA	24-42V	25.2W
11	1110	550mA	24-42V	23.1W
12	1111	500mA	24-42V	21W

ECOFOSS

Smart LED Driver

- Model No. : HLD503-Z-SC-BS-PM-1C-IA-EU-42V-OTA-3.0
- Input: 200-240V~ 0.25A 50/60Hz
- Output: 24-42V--- (52V Max at no load)
500-1050mA (According to the DIP switch)
- ta: 55°C tc: 85°C For LED modules only •tc

DIP Switch Code	1	2	3	4	Pout Rated	Vout	Iout Rated
0000	-	-	-	-	44.1W	24-42Vdc	1050mA
0010	-	-	ON	-	42W	24-42Vdc	1000mA
0100	-	ON	-	-	39.9W	24-42Vdc	950mA
0110	-	ON	ON	-	37.8W	24-42Vdc	900mA
1000	ON	-	-	-	35.7W	24-42Vdc	850mA
1001	ON	-	-	ON	33.6W	24-42Vdc	800mA
1010	ON	-	ON	-	31.5W	24-42Vdc	750mA
1011	ON	-	ON	ON	29.4W	24-42Vdc	700mA
1100	ON	ON	-	-	27.3W	24-42Vdc	650mA
1101	ON	ON	-	ON	25.2W	24-42Vdc	600mA
1110	ON	ON	ON	-	23.1W	24-42Vdc	550mA
1111	ON	ON	ON	ON	21W	24-42Vdc	500mA

1 2 3 4 ON

Please check the DIP switch settings before use.

SEC DC Out V- V+

Wire prep. 0.75-1.5mm²

8-9mm

PRI AC In N L

CE SELV

WARNING For indoor use only. Trained service person only.

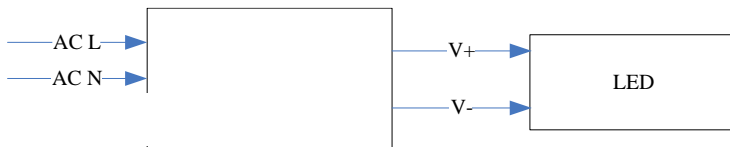
ShenZhen HOMA Technology Co.,Ltd. Made in China

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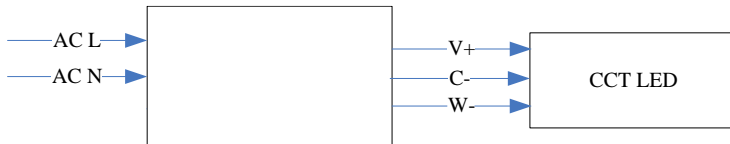
0 0 0 2 2 1 0 X X X X

Wiring Diagram

SC Version



CCT Version



Software Operation

- Initial states. When the ZigBee driver is powered up, lights blink 4 times before staying 100%.
- First 30 minutes. The ZigBee driver in initial state is searchable by the ZigBee gateway in the first 30 minutes after power up.
- Choose a gateway. Power on the ZigBee gateway, open the App "iLightsIn Pro", select gateway from Settings/Add device.
- Add device. Click "Search" button. Light is on 30% after added successfully.
- Create a new area and add the ZigBee driver into this area. On/off /dim this controller in this area.
- Binding. Click "Binding Setting" on "Setting" page. Bind the ZigBee driver with motion sensor/ daylight sensor/ wall switch/ remote control.
- For more operating details please refer to user manual of gateway.

Initial States Setting

- Soft reset: keep the device powered on and delete it on the "iLightsIn Pro" App. Or,
- Hard reset: power off the device and wait for > 3 secs, power on and wait for < 3 secs, power off power on, power off power on, 4 times in total.
- If reset is successful, the light blinks 4 times and then stay ON. All data of the device is cleaned up.

Dimension

Product

