



12v LED Smart Driver



158833

158835

158837

15w LED Driver / 6-port Micro Plug

30w LED Driver / 6-port Micro Plug

50w LED Driver / 6-port Micro Plug

Output Voltage 12v

Output Voltage 12v

Output Voltage 12v

Ingress Protection IP20

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Rated input voltage 200-240AC

Rated input voltage 220-240V AC

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Power Factor >0.9

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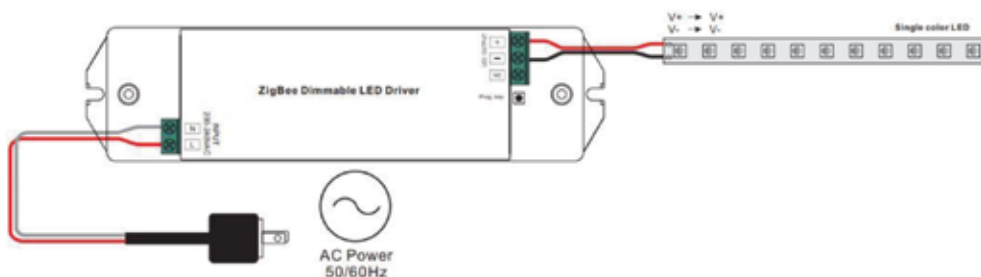
Power Factor >0.9

- With a rated input of 200-240AC, the 12V Zigbee smart LED driver comes with a 6-port micro plug connector and 2m cable.
- Zigbee Smart Driver
- 2m mains cable

Installation

- Connect the LED lamps to LED power supply with correct polarity according to the schematic drawing.
- Primary cable: H03VH2-F 2x0.75mm²
- Secondary cable: H03VH2-F 2x0.75mm²

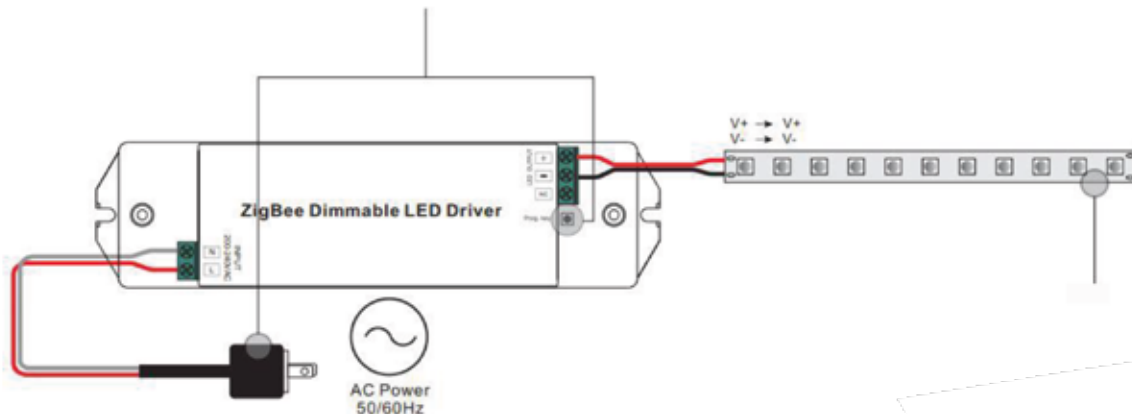
Wiring Diagram





Factory Reset Manually

- 1 Short press "Prog." key 5 times continuously or re-power on the device 5 times continuously (if "Prog." key is not accessible)



- 2 Connected light will blink 3 times to indicate successful reset

Important Safety Information

DISCLAIMER: PLEASE NOTE LED DRIVER INSTALLATION SHOULD BE CARRIED OUT BY A QUALIFIED ELECTRICIAN!

- Specifications:
- LED channel: 1
- DC voltage: 12V
- Max current: Max 1.25A
- Voltage tolerance: $\pm 1\%$
- Rated power: Max 15W
- Voltage range: 200-240V AC
- Frequency range: 50/60Hz
- Power factor: >0.9 @ 230VAC
- Total harmonic distortion: THD $\leq 15\%$ (@full load/230V AC)
- Efficiency: 85% @230V AC full load
- AC current: 0.09A @230V AC
- Leakage current: $<0.5\text{mA}$ / 230V AC
- Dimming interface: Zigbee
- Dimming range: 0.1%-100%
- Dimming method: Pulse width modulation
- Over current: Yes, recovers automatically after fault condition is removed
- Over temperature: Yes, recovers automatically after fault condition is removed
- Working temperature: -20°C - $+45^{\circ}\text{C}$
- Maximum case temperature: 85°C ($T_a = +45^{\circ}\text{C}$)
- Working humidity: 10%-95% RH non-condensing
- Storage temperature and humidity: -40°C - $+80^{\circ}\text{C}$, 10% -95% RH



- Safety standards: ENEC EN61347-1, EN61347-2-13 approved
- Withstand voltage: /P-O/P: 3.75KVAC EMC emission: EN55015, EN61000-3-2, EN61000-3-3
- EMC immunity: EN61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 0.5KV
- MTBF: 190500H, @ 230VAC at full load and 25°C ambient temperature
- Dimensions: 178*46*22 mm (L*W*H)
- ZigBee dimmable LED driver based on ZigBee 3.0 protocol
- 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.
- Class II power supply, full isolated plastic case
- Built-in active PFC function
- High power factor and efficiency
- Deep and smooth dimming to 0.1%
- Suitable for indoor LED lighting applications
- Enables to control ON/OFF, light intensity of single color LED lights
- ZigBee end device that supports Touchlink commissioning
- Can directly pair to a compatible ZigBee remote via Touchlink
- Compatible with universal ZigBee gateway products
- Compatible with universal ZigBee dim remotes
- Waterproof grade: IP20