

General description

WCA2CS is a wireless controlled dual channel dimming module powered by 110-277V AC and controlled or monitored via mobile device or cloud platform.

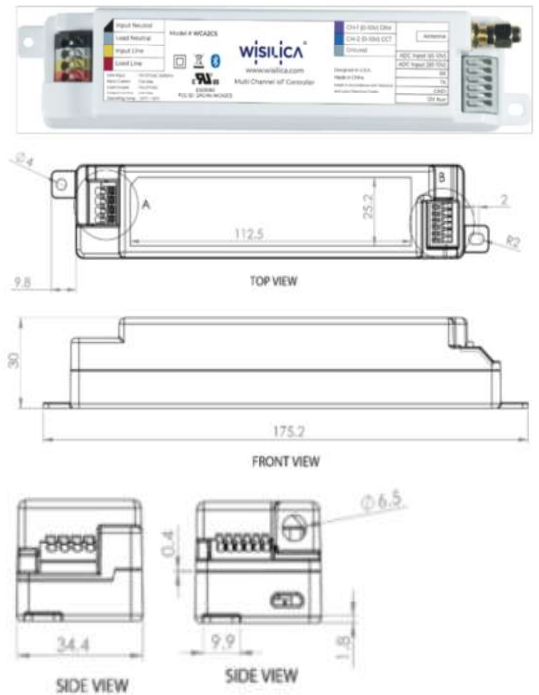
Technical specifications

Input Power	110-277 Vac 50/60Hz / 60-5100 mA
Output Current	5100 mA
Load Current	5000 mA
Aux Power	12 V / 100 mA
Power Consumption	0.8 W
Protection Class	Built-in Class II
Surge Transient Protection	2.5 kV
Sensor interface	Common interface / UART
Dimming Output (each channel)	0-10V / 15mA (Dimming range: 0-100%)
Bluetooth frequency	2400-2483.5 MHz
Frequency Frift	±25 kHz (dF2)
Frequency Deviation	±225-275 kHz
Carrier Frequency Offset	30-150 kHz
Tx Current	48 mA (total current @Tx Mode)
Rx Current	37 mA (total current @Rx Mode)
Receiver sensitivity	-86 to -75 dBm
Operating temperature	-20 to 55 °C
Storage Temperature	-20 to 85 °C
Relative Humidity	85%
Cut Off Voltage	Programmable

Standards

Features

- Analog 2 channel (0-10V) independent output to control intensity and CCT
- Analog 2 channel (0-10V) independent input to integrate with 3rd party BLE4.2 based non-flooding intelligent mesh
- Zero downtime over the air firmware (OTA) updates
- Customizable communication interface for control and status
- Load control up to 5A / 277V max
- Integrated load power measurement up to 5.1A
- Auxiliary 12V / 100mA (1.2W power out)

Dimensions

Wiring diagrams
