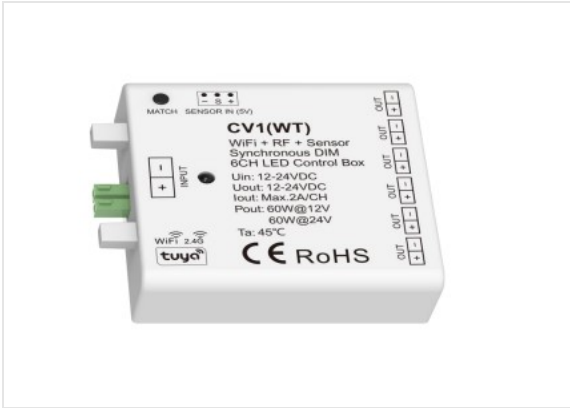




6-Channel LED Control Box, 60 W, 12-24 VDC, WiFi, RF and Sensor Dimming, IP20

- Six synchronous constant-voltage outputs, 2 A maximum per channel
- 60 W maximum total output power at 12 V or 24 V
- WiFi Tuya cloud, RF 2.4G remote and wired sensor head dimming inputs
- 8000 Hz PWM output on a gamma 1.6 dimming curve
- IP20 ultra-thin enclosure, 0.7 × 2.1 × 2.1 in, rated to 45 C ambient
- CE and RoHS compliant with a 5-year, 50,000-hour warranty

OVERVIEW

A six-channel constant-voltage dimming control box for cabinet and millwork LED strip. It accepts 12-24 VDC from a remote power supply and drives single-color strip through six synchronous outputs, with dimming commanded over WiFi (Tuya cloud), RF 2.4G remote, or a wired sensor head input for PIR motion, touch, hand-sweep and door-contact heads.

Total output is limited to 60 W at either 12 V or 24 V, with 2 A maximum per channel and an 8000 Hz PWM output following a gamma 1.6 dimming curve. Light on/off fade time is selectable at 3 s, sensor input accepts 5 V level or 500-2000 Hz PWM signals, and the ultra-thin IP20 enclosure measures 0.7 × 2.1 × 2.1 in for concealed installation at 45 C ambient.

CE and RoHS compliant, covered by a 5-year, 50,000-hour warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

ELECTRICAL

Operating Voltage	24 V
Wattage	60 W
Current Draw	2 A
Dimmer Type	PWM, 8000 Hz (WiFi, RF 2.4G, sensor input)
Power Supply Input	12-24 VDC
Power Supply Output	24VCD
Input Connection Type	2P terminal, 3.1 mm foot distance

MECHANICAL

Product Dimensions 0.7 × 2.1 × 2.1 in

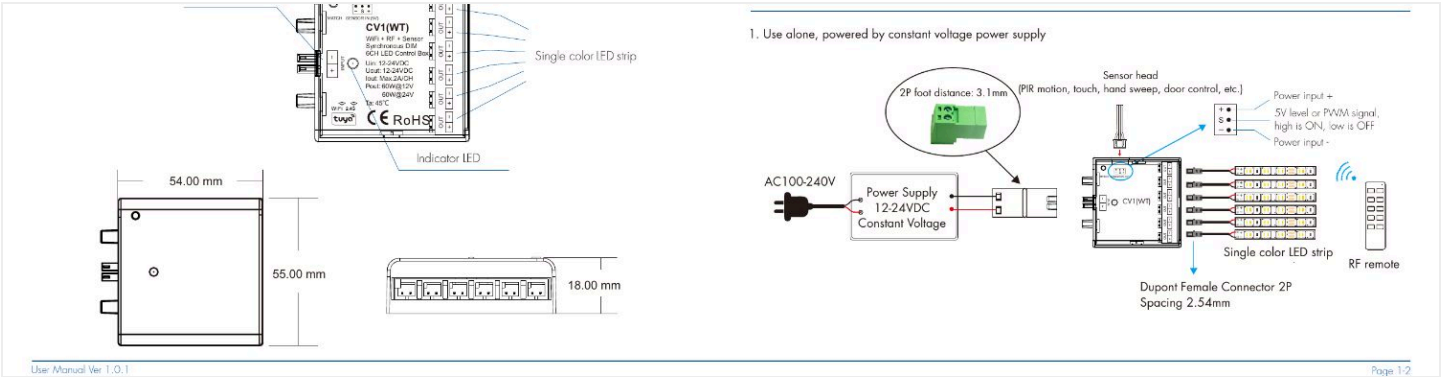
ENVIRONMENTAL

IP Rating	IP20
Ambient Operating Temperature	45 °C 113 °F

ORDERING

Warranty 5 y

DIMENSIONS & DIAGRAMS



WIRING DIAGRAM

CERTIFICATIONS & COMPLIANCE



APPLICATIONS

- Kitchen and vanity cabinet strip lighting
- Closet and wardrobe shelving lighting
- Retail display case and showcase millwork
- Under-counter and toe-kick accent lighting
- Motion-activated pantry and drawer lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	pdf	high
operating_voltage	24 V	pdf	high
wattage	60 W	pdf	high
current_draw	2 A	pdf	high
dimmer_type	PWM, 8000 Hz (WiFi, RF 2.4G, sensor input)	pdf	high
ps_input	12-24 VDC	db	high
ps_output	24VCD	db	high
input_connection_type	2P terminal, 3.1 mm foot distance	pdf	high
product_dimensions	0.7 × 2.1 × 2.1 in	db	high
ip_rating	IP20	db	high
ambient_temp_c	45 °C	pdf	high
warranty_years	5 y	db	high

Specifications subject to change without notice.