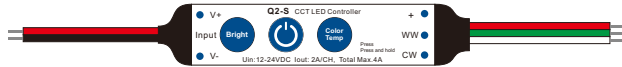


3-Key Dual Color LED Mini Controller without remote function

Model No.: Q2-S

2 channel constant voltage/Max 4A output/Stepless dimming



FC CE RoHS LVD

Features

- 2 channel constant voltage dual color LED mini controller.
- 3 key operation with on/off, dimming and CCT adjustment.
- 2A per channel, output connect with 5 meters dual color LED strip.
- 256 levels 0-100% dimming smoothly without any flash.

Technical Parameters

Input and Output	
Input voltage	12-24VDC
Output voltage	12-24VDC
Output current	2A/CH, Total Max. 4A
Output type	Constant voltage

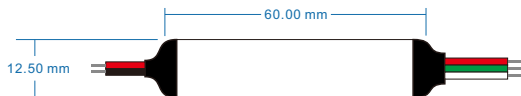
Environment	
Operation temperature	Ta: -30°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20

Warranty and Protection	
Warranty	5 years
Protection	Reverse polarity Over heat

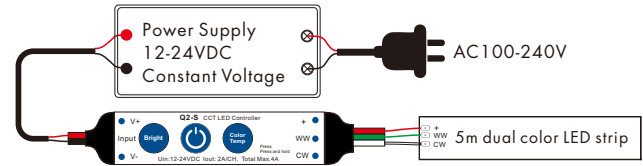
Dimming data	
Dimming level	256 levels
Dimming range	0-100%
Dimming curve	Linear
PWM Frequency	750Hz (default)

Safety and EMC	
EMC standard (EMC)	EN301 489, EN 62479
Safety standard(LVD)	EN60950
Certification	CE, EMC, LVD

Dimension



Wiring Diagram



Key Function

- Turn on or off light.
- Adjust brightness, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.
- Adjust color temperature, short press 10 levels, long press 1-6s for continuous 256 levels adjustment.

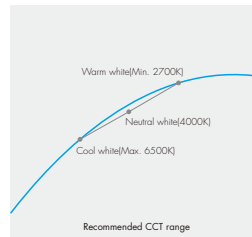
Dual color control

CH1=Warm white LED
CH2=Cool white LED

Each channel can supply up to 96W(@24V) and white balance can be controlled as such:

Color temperature	Cool white	Neutral white	Warm white
Power distribution	CH1=0W, CH2=96W	CH1=48W, CH2=48W	CH1=96W, CH2=0W

Linear dual color tuning



Dimming curve

