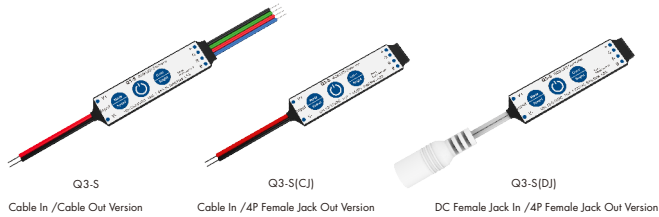# 3-Key RGB LED Mini Controller without remote function

Model No.: Q3-S, Q3-S(CJ), Q3-S(DJ)

3 channel constant voltage/Max 4.5A output/Step-less dimming

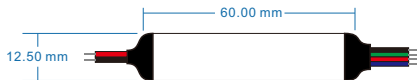|		
Q3-S	Q3-S(CJ)	Q3-S(DJ)
Cable In /Cable Out Version	Cable In /4P Female Jack Out Version	DC Female Jack In /4P Female Jack Out Version

Model List

FC C CE RoHS emc LVD

Model	Photo	Power Connector	LED Connector
Q3-S		Red/Black Cable 10cm	4-color Flat Cable 10cm
Q3-S(CJ)		Red/Black Cable 10cm	4-pin Flat Female Jack
Q3-S(DJ)		5.5mm DC Female Jack	4-pin Flat Female Jack

Features

- 3 channel constant voltage RGB LED mini controller.
- 3 key operation with on/off, mode and color adjustment.
- 1.5A per channel, output connect with 5 meters RGB LED strip.
- 256 levels 0-100% dimming smoothly without any flash.
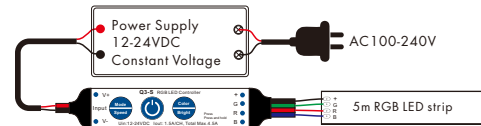- Built in 10 dynamic mode, include jump or gradual change style.

Dimension

60.00 mm
12.50 mm

Technical Parameters

Input and Output

Input and Output	
Input voltage	12-24VDC
Output voltage	12-24VDC
Output current	1.5A/CH, Total Max. 4.5A
Output type	Constant voltage

Environment

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

Warranty and Protection

Warranty and Protection	
Warranty	5 years
Protection	Reverse polarity Over heat

Dimming data

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

Safety and EMC

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

Wiring Diagram

Power Supply 12-24VDC Constant Voltage
AC100-240V
5m RGB LED strip

Key Function

Turn on or off light.

Mode/Speed Short press change 10 dynamic mode, long press 2s adjust speed, 10 levels.

Color/Bright Short press change 24 static RGB color, long press 1-6s for continuous 256 levels brightness adjustment.

RGB dynamic mode list

No.	Name	No.	Name
1	RGB jump	6	RGB fade in and out
2	RGB smooth	7	Red fade in and out
3	6 color jump	8	Green fade in and out
4	6 color smooth	9	Blue fade in and out
5	Yellow cyan purple smooth	10	White fade in and out

Dimming Curve