

RGBW/RGB/CCT/Dimming 4 Channel LED RF Controller

Model No.: 22911(150-500mA) / 22974(350-1200mA)

4 Channels/Multiple current/Push Dim/Wireless remote control/Auto-transmitting/Synchronize



FC CE RoHS EMC LVD RED

Features

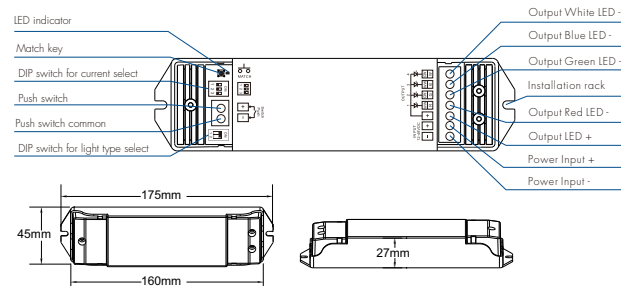
- Set as single color, dual color, RGB or RGBW controller by DIP switch.
- DC to DC constant current output, multiple output current settings.
- Match with RF 2.4G single zone or multiple zone single color, dual color and RGB/RGBW remote control.
- One RF controller accept up to 10 remote control.
- 4096 levels 0-100% dimming smoothly without any flash.
- When using with RGB/RGBW light, built in 10 dynamic mode, include jump or gradual change style.
- Auto-transmitting function: Controller automatically transmit signal to another controller with 30m control distance.
- Synchronize on multiple number of controllers.
- Fade in and out effect selectable.
- Connect with external push switch to achieve on/off and 0-100% dimming function.

Technical Parameters

Input and Output	
Input voltage	12-48VDC
Output voltage	4 x (3-45)VDC
Output current	4CH, 150-500mA or 350-1200mA/CH 4 x (0.45-22.5)W (150-500mA) 4 x (1.05-54)W (350-1200mA)
Output power	
Output type	Constant current
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 Short circuit

Dimming data	
Input signal	RF 2.4GHz + Push Dim
Control distance	30m(Barrier-free space)
Dimming gray scale	4096 (2 ¹²) levels
Dimming range	0-100%
Dimming curve	Logarithmic
Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE, EMC, LVD, RED
Weight	
Net weight	0.120kg
Gross weight	0.140kg

Mechanical Structures and Installations



LED Current Selection

Note: Please select the correct current through the DIP switch on the PCB board when the power is off.

DIP Switch	150-500mA								ON OFF
	000	001	002	003	004	005	006	007	
Output Current	350mA	200mA	250mA	300mA	350mA	400mA	450mA	500mA	
Output Voltage	3-45V	3-45V	3-45V	3-45V	3-45V	3-45V	3-45V	3-45V	
Output Power/CH	0.45-6.75W	0.6-9W	0.75-11.25W	0.9-13.5W	1.05-15.75W	1.2-18W	1.35-20.25W	1.5-22.5W	
DIP Switch	350-1200mA								ON OFF
	000	001	002	003	004	005	006	007	
Output Current	350mA	500mA	600mA	700mA	800mA	900mA	1050mA	1200mA	
Output Voltage	3-45V	3-45V	3-45V	3-45V	3-45V	3-45V	3-45V	3-45V	
Output Power/CH	1.05-15.75W	1.5-22.5W	1.8-27W	2.1-31.5W	2.4-36W	2.7-40.5W	3.15-47.25W	3.6-54W	