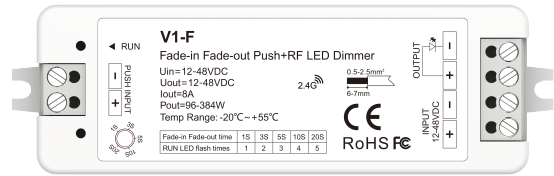


Fade-in Fade-out Push+RF LED Dimmer

Model No.: V1-F

5 fading speed/Step-less dimming/Push Dim/Wireless remote control/Multiple protection



FC CE RoHS EMC RED

Features

- Fade-in Fade-out LED dimmer with smooth fading effect for soft start and stop.
- The fading speed can be set via knob potentiometer, 1S, 3S, 5S, 10S, 20S selectable.
- Connect with self-resetting metal button or push switch to achieve on/off and 0-100% dimming function.
- Push input can accept either positive or negative trigger.
- Match with RF 2.4G single zone or multiple zone dimming remote control optional.
- Over-heat / Over-load / Short circuit protection, recover automatically.

Technical Parameters

Input and Output	
Input voltage	12-48VDC
Input current	8A
Output voltage	12-48VDC
Output current	1CH, 8A
Output power	96-384W
Output type	Constant voltage

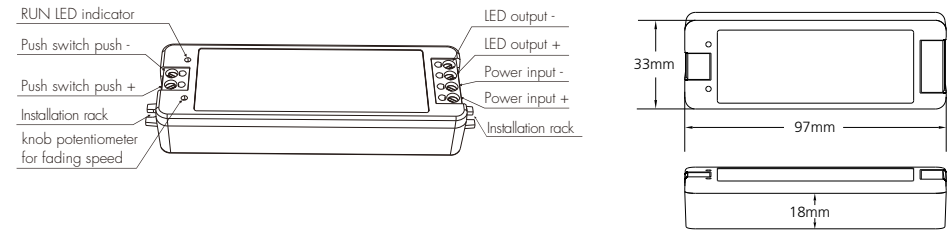
Dimming data	
Input signal	Push Dim + RF 2.4GHz
Control distance	30m(Barrier-free space)
Dimming gray scale	4096 (2^12) levels
Dimming range	0-100%
Dimming curve	Logarithmic
PWM frequency	2000Hz (default)

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

Environment	
Operation temperature	Ta: -20°C ~ +55°C
Case temperature (Max.)	Tc: +85°C
IP rating	IP20

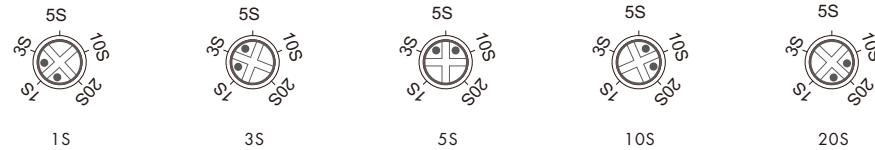
Warranty and Protection	
Warranty	5 years
Protection	Reverse polarity Over-heat Over-load Short circuit

Mechanical Structures and Installations



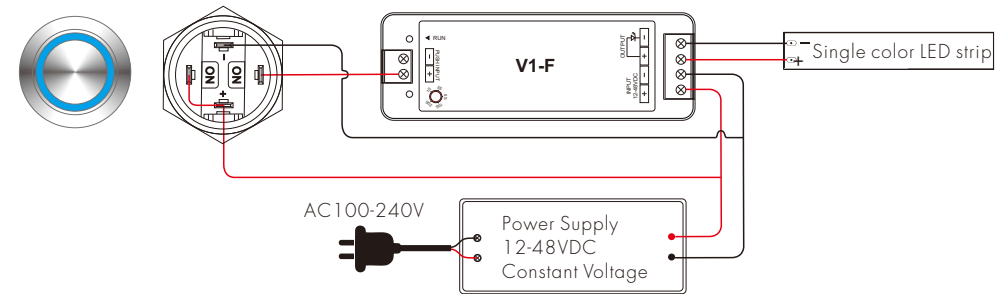
Light on/off fading speed

Rotate knob to switch fading speed, When the fading speed set to 1/3/5/10/20s, the RUN LED indicator will flash 1/2/3/4/5 times.

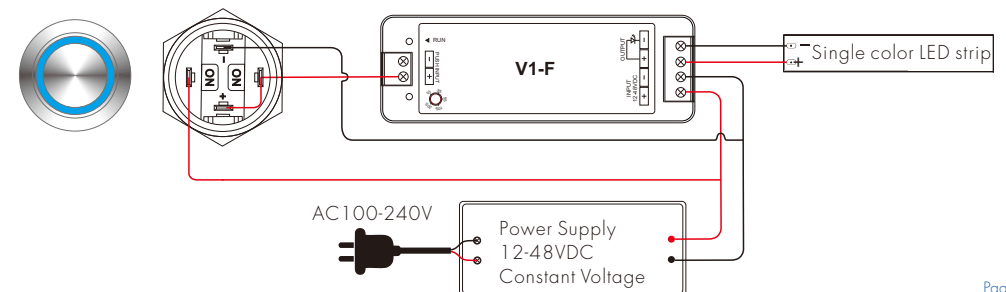


Wiring Diagram

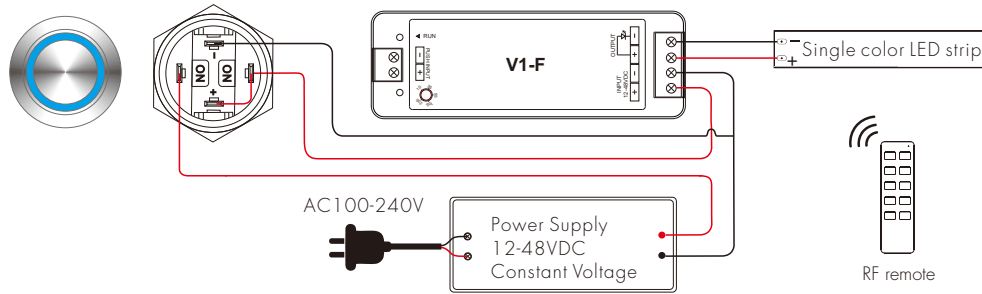
- Connect with self-resetting metal button, positive trigger input. Press the button to switch or adjust brightness, the button indicator always lights up.



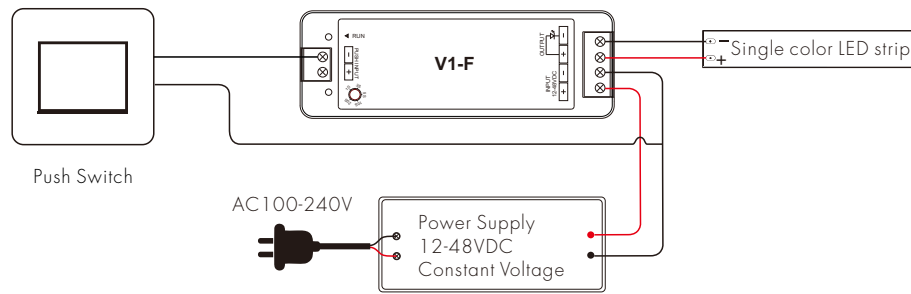
- Connect with self-resetting metal button, positive trigger input. Press the button to switch or adjust brightness, the button indicator lights up when pressed.



- Connect with self-latching metal button.
Press the button to power on or off the controller, the button indicator lights up when pressed.
Use RF remote to adjust brightness optional.



- Connect with push switch panel, negative trigger input.
Press the panel to switch or adjust brightness.



Match Remote Control

- Match:
- Switch off the power of the receiver, then switch on power.
 - Repeat again.
 - Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote.
 - The light blinks 3 times means match is successful.

- Delete:
- Switch off the power of the receiver, then switch on power. Repeat again.
 - Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote.
 - The light blinks 5 times means all matched remotes were deleted.

Push Dim Function

The provided Push-Dim interface allows for a simple dimming method using commercially available non-latching (momentary) wall switch or metal button.

- **Short press:**
Turn on or off light.
- **Long press (1-6s):**
Press and hold to step-less dimming,
With every other long press, the light level goes to the opposite direction.
- **Dimming memory:**
Light returns to the previous dimming level when switched off and on again, even at power failure.
- **Synchronization:**
If more than one controller are connected to the same push switch, do a long press for more than 10s,
then the system is synchronized and all lights in the group dim up to 100%.
This means there is no need for any additional synchrony wire in larger installations.
We recommend the number of controllers connected to a push switch does not exceed 25 pieces,
The maximum length of the wires from push to controller should be no more than 20 meters.

Dimming Curve

