Manuals+ — User Manuals Simplified.

RoHS V1-F Fade-In Fade-Out PushplusRF LED Dimmer Owner's Manual

Contents

RoHS

RoHS V1-F Fade-In Fade-Out PushplusRF LED Dimmer

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

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.
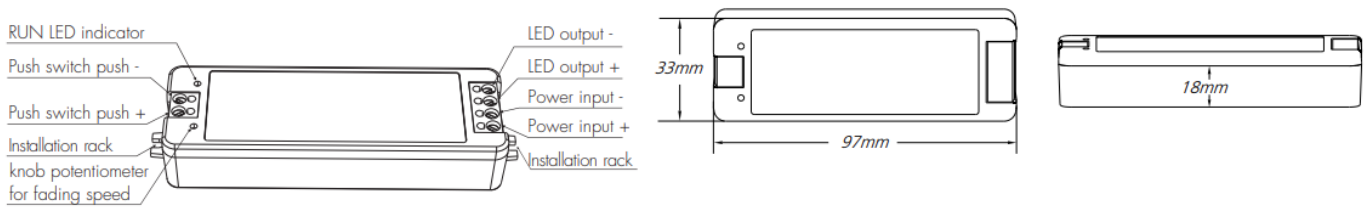
Technical Parameters

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
Environment	
Operation temperature	Ta: -20 OC ~ +55 OC
Case temperature (Max.)	Ta: +85 OC

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)
Warranty	
Warranty	5 years

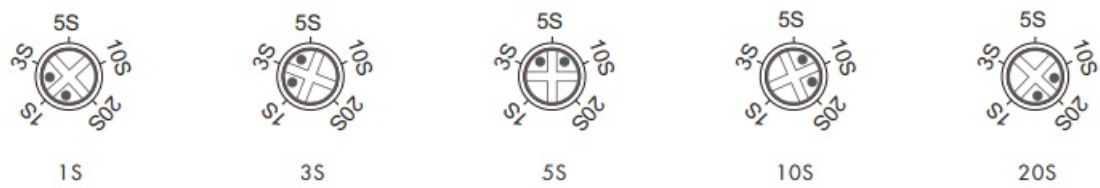| Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3
	ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certi cation	CE,EMC,LVD,RED
Package	
Size	L120 x W43 x H27mm
Gross weight	0.053kg

Mechanical Structures and Installations
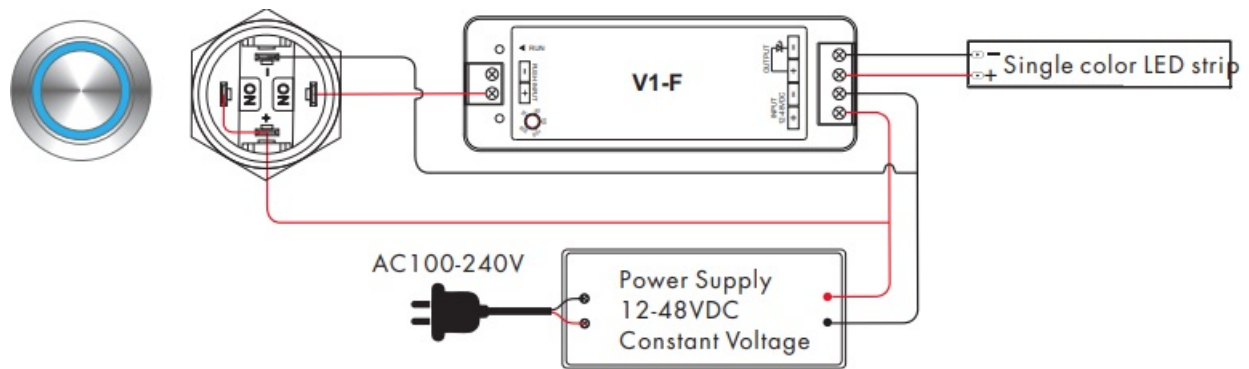

Light on/off fading speed

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.
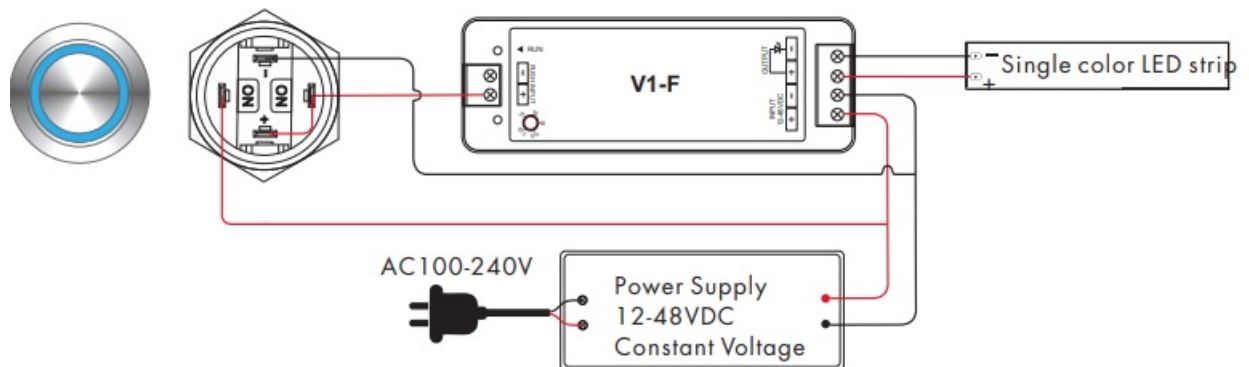

Wiring Diagram

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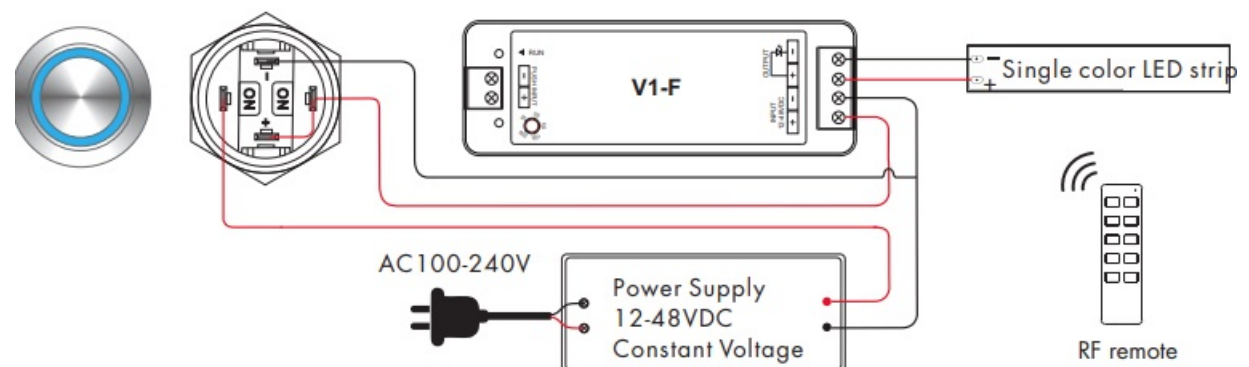
- Connect with self-resetting metal button, positive trigger input.

  Press the button to switch or adjust brightness, the button indicator lights up when pressed.
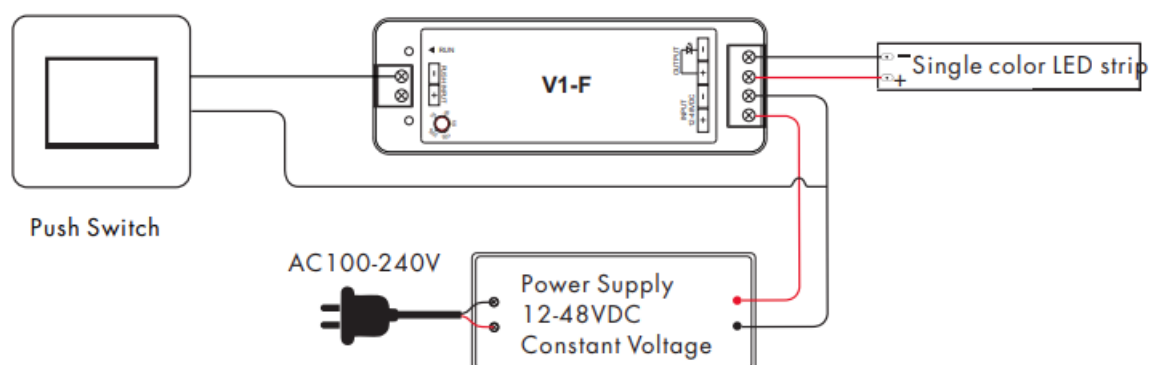

- Connect with self-latching metal button.

  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, then switch on power.
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, then switch on power.
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.
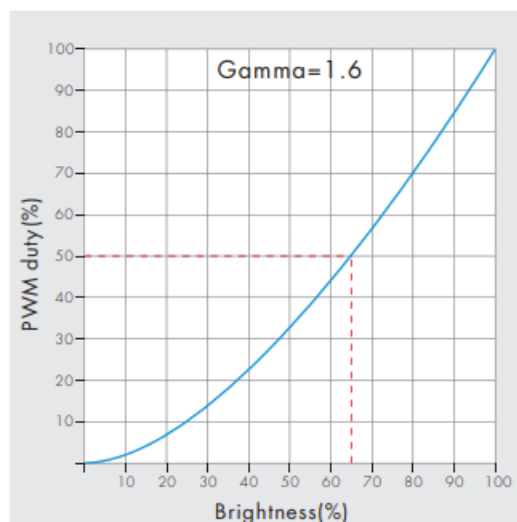
- **Dimming memory:**

  Light returns to the previous dimming level when switched off and on again, even at power failure.
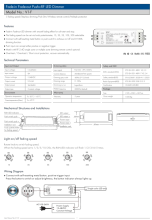
- **Synchronization:**

  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

Documents / Resources

RoHS V1-F Fade-In Fade-Out PushplusRF LED Dimmer [pdf] Owner's Manual
V1-F Fade-In Fade-Out PushplusRF LED Dimmer, V1-F LED Dimmer, Fade-In Fade-Out
PushplusRF LED Dimmer, PushplusRF LED Dimmer, Fade-In Fade-Out Dimmer, LED Dimmer,
Dimmer