

## REVI 12-Channel Power Supply [250 Watts] REVI-Drive-12-250W



### PRODUCT DESCRIPTION

The REVI 12-Channel 250 Watt Power Supply combines 12 Class 2 outputs to power up to 48 9V REVI downlights. This Power Supply is designed for the low voltage integrator with a plug-in or hard-wired AC input, is DMX/RDM enabled to work with any control system, features smooth dimming to 0.1% and is configured for rack mounting. The REVI 12-Channel Power Supply features programmable drive currents and can power fixtures up to 200 feet away assuming the appropriate wire is used.

**Ideal Application:** Residential/Architectural downlights and pendants up to 2,000 lumens.

### TECHNICAL SPECIFICATIONS

Input	
Voltage	100-240 Vac (Surge Protected)
Frequency	50/60 Hz
Power Factor	>0.93
Rated Current	3.5A at 100 Vac, 1.4A at 230 Vac
Efficiency	86% at 120 Vac / 88.0% at 230 Vac
Output	
Power	250 Watts
Power per Channel	21 Watts*
Drive Current	500 mA (configurable 200-700mA)
Voltage Range	8-40 Vdc
System Power Cycle Delay	< 1.5 s (120 Vac), <1.0 s (230 Vac)
Output Ripple	< 10%
Environment	
Operating Temperature	- 35°C - 50°C**
Operating Humidity	20-95% RH, non-condensing
Storage Temperature	- 40°C - 85°C
Storage Humidity	10-95% RH

\* Each channel can power up to 27.7 Watts, however each power bank of 4 channels is limited to 83.3 Watts total. NOTE: P1 (the 1st channel output power), P2 (the 2nd channel output power), P3 (the 3rd channel output power), P4 (the 4th channel output power),  $P1 \leq 28W$ ,  $P2 \leq 28W$ ,  $P3 \leq 28W$ ,  $P4 \leq 28W$ ,  $P1+P2+P3+P4 \leq 85W$ ;  $P5+P6+P7+P8 \leq 85W$ ;  $P9+P10+P11+P12 \leq 85W$ . For example, Channels 1, 2, 3, 5, 6, 7, 9, 10 and 11 can all be powering 27.7 Watt fixtures, however, channels 4, 8 and 12 will be unused.

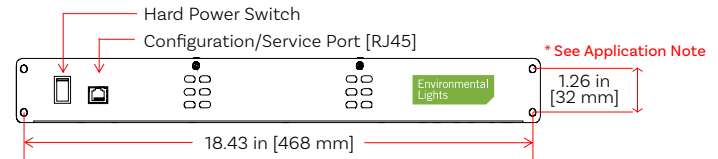
\*\* Over Temperature Protection (When temperature of PCB exceeds  $110^{\circ}\text{C} \pm 10\%$ , output current will reduce to 50% and will not recover until PCB reaches  $70^{\circ}\text{C} \pm 10\%$ ). Increasing the drive current may decrease the maximum VF.

### PRODUCT FEATURES

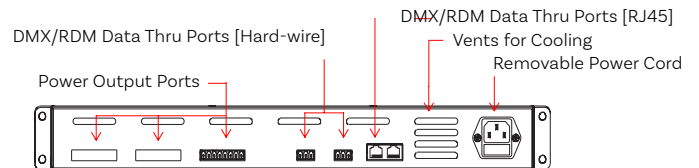
- Twelve independent and configurable Class-2 constant current outputs (200-700 mA)
- Smooth, flicker-free dimming with exceptional low-end performance (0.1%- 100%)
- Front side On/Off hard power switch
- Front side RJ45 DMX/RDM Configuration/monitoring port
- Rack mount chassis
- Simple RDM Configuration:
  - DMX start channel (Default: Channel 1)
  - Lost DMX signal (Default: 100%)
  - Device Label (specify a unique name for each power supply)
- Drive Current is configurable for each channel via REVI Configuration Key
- Number of Power Supplies that can be powered on a single 20A circuit:
  - 4 Power Supplies/20A circuit (de-rated to 16 Amps) at 100 Vac
  - 11 Power Supplies/20A circuit (de-rated to 16 Amps) at 230 Vac
- Digital AC/DC Power Conversion
- Warranty: 5-Year Limited
- UL Listed

### MECHANICAL SPECIFICATIONS

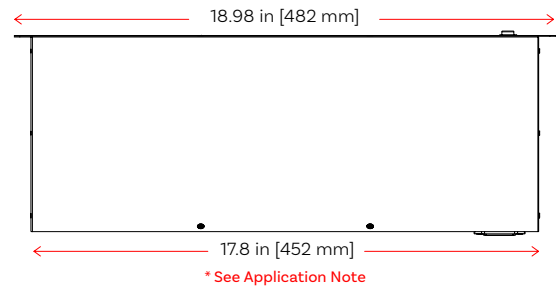
#### FRONT VIEW



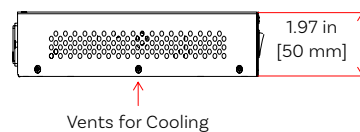
#### REAR VIEW



#### TOP VIEW



#### SIDE VIEW



**Application Note:** Please note vertical dimensions between mounting holes and width of the power supply body vary slightly from the EIA-310 Rack Standard. Adjustments may be needed to facilitate installation.

SYSTEM DIAGRAM

- 12-Channel 250 W Power Supply
- Fixtures (to be wired in series)

Each Class-2 Channels has the capacity to control up to:

- (4) x LE1 - 9 Volt, 4.5 Watt fixtures
- (2) x LE1 - 18 Volt, 9 Watt fixtures
- (1) x LE1 - 36 Volt, 18 Watt fixtures

