

AiSPiRE Remote Power Supply (RPS)

A2D LED DMX Power Unit



Fixture Type: _____

Catalog Number: _____

Project: _____

Location: _____

INPUT

Voltage Range:	120VAC
Frequency Range:	50/60Hz
Power Factor:	0.99 @100VAC
THD:	<15% @full load
Current:	0.9A @100VAC
Standby Power Consumption:	<0.5w

OUTPUT

LED Channels:	APD20-BK: 4 Channels APD40-BK: 8 Channels
Selectable Current:	250mA, 300mA, 350mA, 400mA, 450mA, 500mA, 600mA, 700mA, 800mA, 900mA, 1A, 1.1A, 1.2A, 1.3A, 1.4A, 1.5A
DC Voltage Range:	6-48VDC
Current Tolerance:	± 3%
Rated Power:	72W

CONTROL

Control Protocol:	DMX 512-A, DMX 512
Diming Range:	0%-100%
Control Input:	DMX RJ45
Dimming Curve:	Linear/Logarithm (Selectable)

PROTECTION

Short Circuit, Over Voltage, Over Temp: Recovers automatically after fault condition is removed

ENVIRONMENT

Ambient Operating Temp: -4°F - 113°F (-20°C - 45°C)

SAFETY & EMC

- Safety Standard: UL Damp Location
- EMC Emission: FCC Part 15 Class B
- Surge Immunity: Line-Line 1 kV

Model	# of channels	Finish
A2D20 2 x 72W Class 2 output DMX LED power unit	4	BK Black
A2D40 4 x 72W Class 2 output DMX LED power unit	8	BK Black

Example: **A2D20-BK**

FINISHES



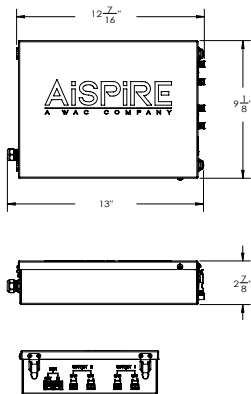
Black

FEATURES

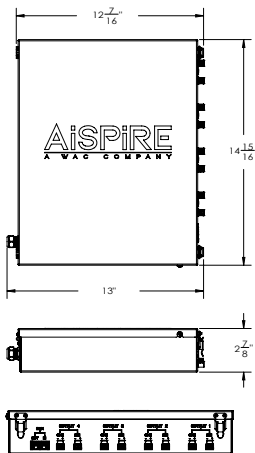
- 72W Max. Output Power (Per DMX Power Unit)
- 250mA-1500mA output current selection
- Class 2 power supply
- Built-in DMX512 interface
- IP20 rating
- UL Damp location listed

LINE DRAWING

A2D20 - 4 Channel



A2D40 - 8 Channel



aispire.com
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Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

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A2D LED DMX Power Unit



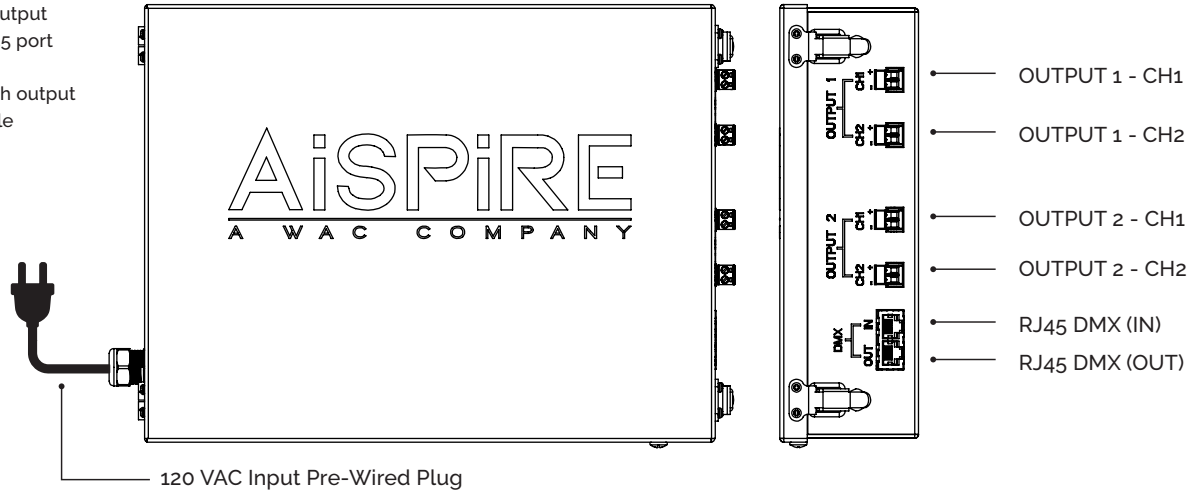
RPS Overview Layout

(4 Channel Shown)

DC Power Supply w/ DMX Controller

(4 Channel Shown - 2 Outputs)

- Constant Current Based Output
- DMX512-A Input using RJ45 port
- 2 channels per output
- Selectable Current on each output
- 8 Channel Version Available

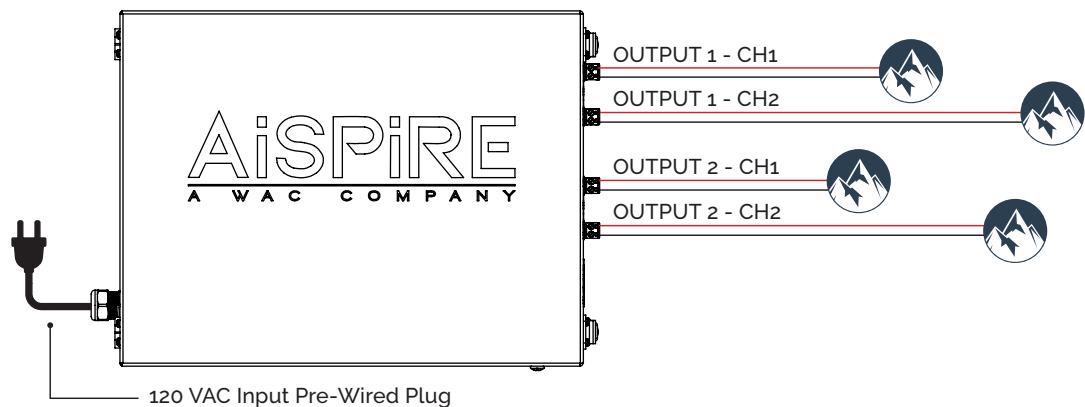


Wiring Method: Alpine (Static CCT)

36V Alpine (Static CCT)

(One Light per Channel)

- 1 Light per channel @ 36V output
- Up to 72 W per output



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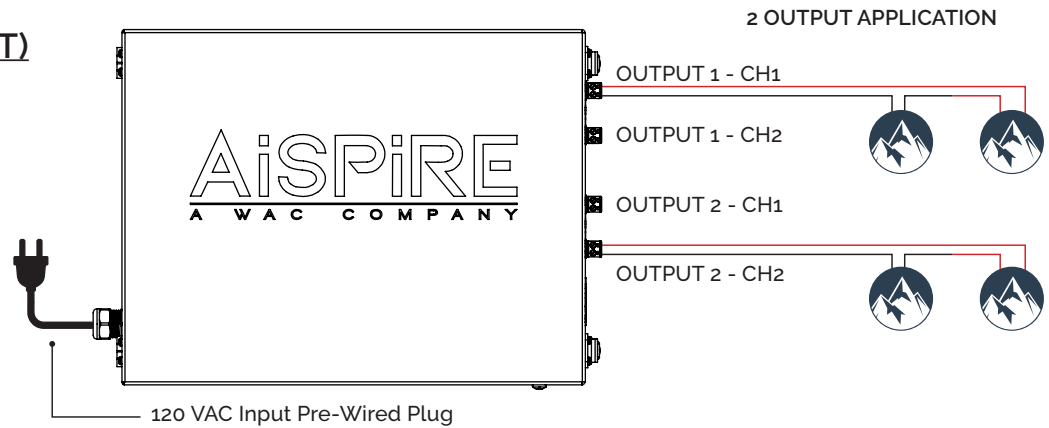
Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

Wiring Method: Alpine (Static CCT)

18V Alpine (Static CCT)

(2 Lights per Channel)

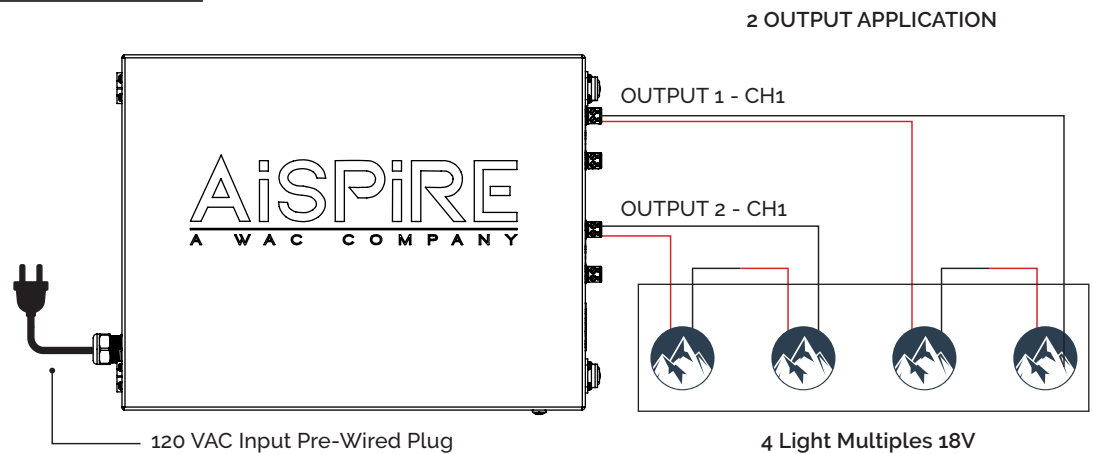
- 2 Light per channel @ 18V
- Wired in series
- Up to 72W per output



18V Alpine Multiples (Static CCT)

(2 Lights per Channel)

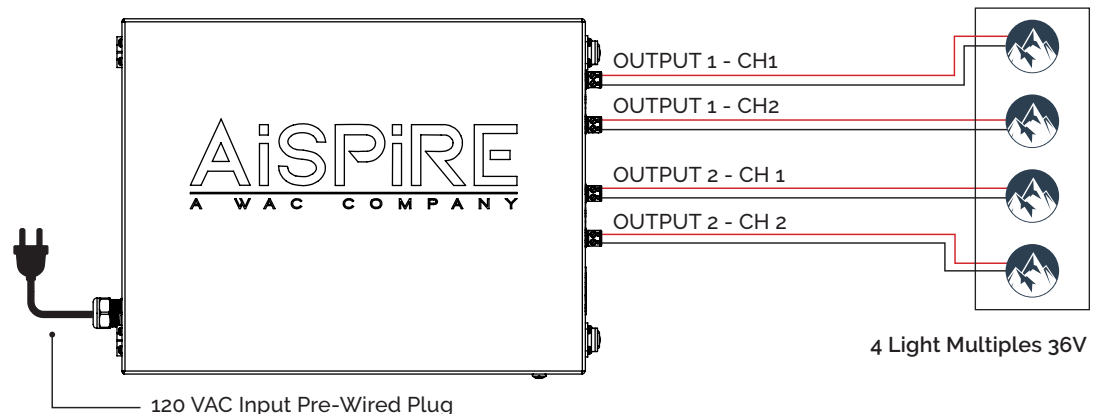
- 2 Lights per Channel @ 18V
- Wire in series
- Up to 72W per output



36V Alpine Multiples (Static CCT)

(1 Light per Channel)

- 1 Light per Channel @ 36V
- Up to 72W per output

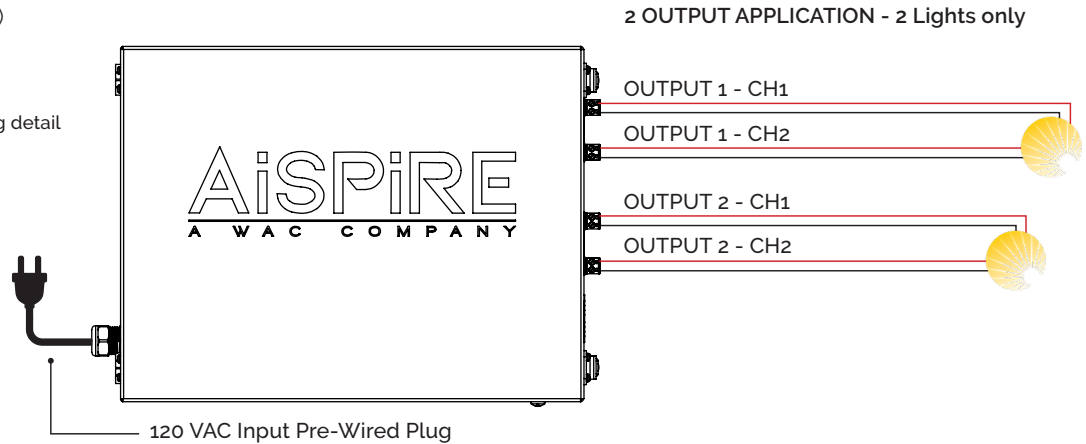


Wiring Method: Atmosphere (Natural Tunable White)

36V Atmosphere (Natural Tunable White)

(Up to 1 Light Per 2 Channel output)

- 1 Light per 2 channel @ 36V output
- 72 W max per output
- See Installation Instructions for wiring detail



36V Atmosphere Multiples (Natural Tunable White)

(1 Light Per 2 Channel output)

- 1 light per 2 channel output @ 36V
- 72W max per woutput
- See Installation Instructions for wiring detail

