

Aura™ Illuminated Shades

Mounting Requirements, Specifications, and Wiring

— 16 Shade DC Power Supply —



WARNING:

To reduce the risk of fire, electric shock, or injury to persons, electrical wiring must be done by a qualified person in accordance with all applicable codes and standards.

The 16 Shade DC Power Supply utilizes low voltage wiring to provide power to up to eight Aura™ Illuminated Shades, supporting a maximum of four Aura shades per side of the power supply. When determining the maximum number of shades in a mixed order of Aura and other standard PowerView® shades, a single Aura shade counts as two standard shades.

Important: Shades cannot be daisy-chained when powered by a 16 Shade DC Power Supply.

Power Supply Specifications

■ **Input:** 120V AC, 6A **Output:** 18V DC, 90W **Wire compatibility:** 12 – 18 AWG wire **Circuit class:** 2

Enclosure Dimensions

■ **Length:** 10" (without mounting feet) or 12¼" (with mounting feet) **Width:** 10" **Depth:** 4¼" **Weight:** 10 lbs.

Low-Voltage Wiring Requirements

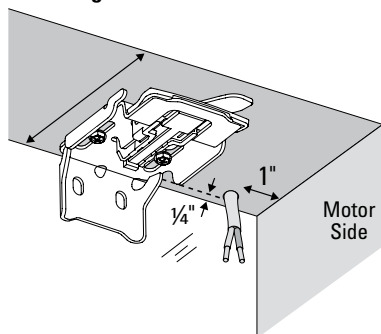
All low-voltage wiring used with this power supply is recommended to have a **Class 2** flammability rating and is also recommended to meet **VW-1** and **FT-1** flame rating standards. Please see the table below for maximum wire run distances between the power supply and the window covering by wire size.

Power Supply Mounting Requirements

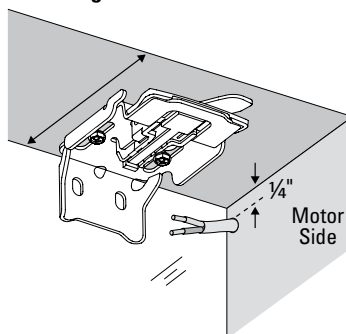
- Can be surface or recessed mounted.
- Must be secured to an appropriate mounting surface such as studs or solid wood.

Maximum PowerView® or SoftTouch® Motorized Window Treatments per Output	Maximum Distance per Output Based on Power Conductor AWG			
	12 AWG	14 AWG	16 AWG	18 AWG
One Window Treatment	1500 feet	800 feet	300 feet	300 feet

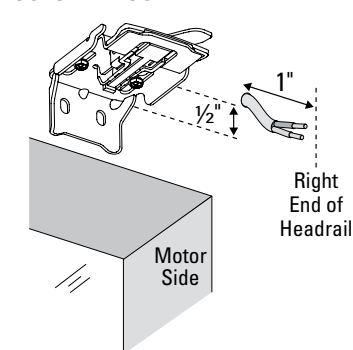
INSIDE MOUNT — Wiring from the Head Jamb



INSIDE MOUNT — Wiring from the Side Jamb



OUTSIDE MOUNT



NOTE: Before mounting shade installation brackets, installers need to ensure that the bracket mounting location allows room for the cable from the shade motor to fit behind the shade without interfering with operation. This requirement varies depending on product type, but for Aura™ Illuminated Shades, 5/8" clearance is needed to accommodate the power cable. Wire terminations at the shade are made by connecting the electrical wiring to a provided male plug-in connector. The ports on this connector are compatible with 16–24 AWG conductors for power. If using a cable with 12 or 14 AWG conductors for power, you will need to use a wire stripper to reduce the gauge to 16 AWG or less. The data ports of the male plug-in connector will not be used in this configuration.



WARNING:

Do not place more than **two** 16 Shade DC Power Supplies on a single home circuit with a 15 amp breaker.

Aura™ Illuminated Shades

Mounting Requirements, Specifications, and Wiring

— PowerView+™ Gen 3 Smart Power Supply —



WARNING:

To reduce the risk of fire, electric shock, or injury to persons, electrical wiring must be done by a qualified person in accordance with all applicable codes and standards.

The PowerView+™ Gen 3 Smart Power Supply utilizes low-voltage electrical wiring to provide both power and communication to up to eight Aura™ Illuminated Shades, supporting a maximum of four Aura shades per side of the power supply. It can also provide power to standard PowerView® Gen 3 window treatments. It is not compatible with Legacy PowerView+ or standard Legacy PowerView window treatments. When determining the maximum number of shades in a mixed order of Aura and other standard PowerView® shades, a single Aura shade counts as two standard shades.

Important: Aura™ Illuminated Shades cannot be daisy-chained together.

Power Supply Specifications

Input: 120V AC, 6A

Output: 18V DC, 90W

Circuit class: 2

Wire compatibility: 12–18 AWG wire; 20–24 AWG shielded, twisted pair for data

Enclosure Dimensions

Length: 10" (without mounting feet) **or** 12¼" (with mounting feet)

Depth: 4" (without mounting feet) **or** 4¼" (with mounting feet)

Width: 10"

Weight: 10 lbs.



Low-Voltage Wiring Requirements

Hunter Douglas sells a low-voltage PowerView+ Bulk Cable in quantities of 500 feet that meets the required specifications.

- **Class 2** flammability rating.
- Meets **VW-1** and **FT-1** flame rating standards.
- Four-conductor low-voltage electrical cable with two conductors (12–18 AWG) for power and two conductors (20–24 AWG) in a shielded twisted pair for data.
- Maximum wire run distances between the power supply and the window covering by wire size:

Maximum PowerView Gen 3 Automated Window Treatments per Output	Maximum distance per Output Based on Power Conductor AWG			
	12 AWG	14 AWG	16 AWG	18 AWG
One Window Treatment	1500 feet	800 feet	300 feet	300 feet

- A Cat 5 or Cat 6 cable is required to connect the power supply to the home network. Installers should consider access to an ethernet port when prewiring.

NOTE: Wire terminations at the shade are made by connecting the electrical wiring to a provided male plug-in connector. The ports on this connector are compatible with 16–24 AWG conductors for power. If using a cable with 12 or 14 AWG conductors for power, you will need to use a wire stripper to reduce the gauge to 16 AWG or less.

Aura™ Illuminated Shades

Mounting Requirements, Specifications, and Wiring

— PowerView+ Gen 3 Smart Power Supply —



WARNING:

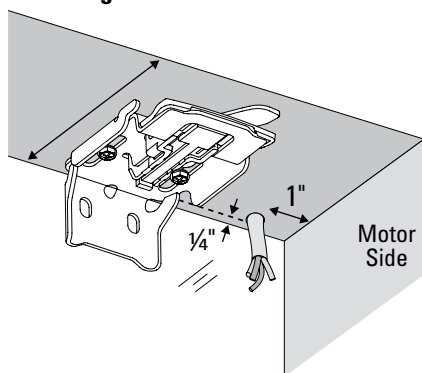
To reduce the risk of fire, electric shock, or injury to persons, electrical wiring must be done by a qualified person in accordance with all applicable codes and standards.

Power Supply Mounting Requirements

- Can be surface or recessed mounted.
- Must be secured to an appropriate mounting surface such as studs or solid wood.

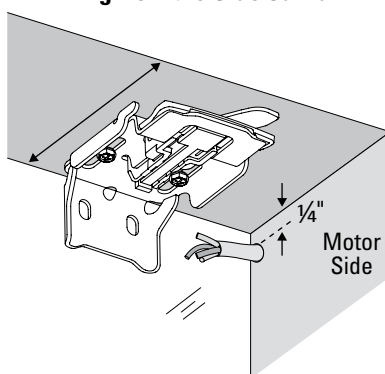
INSIDE MOUNT

— Wiring from the Head Jamb

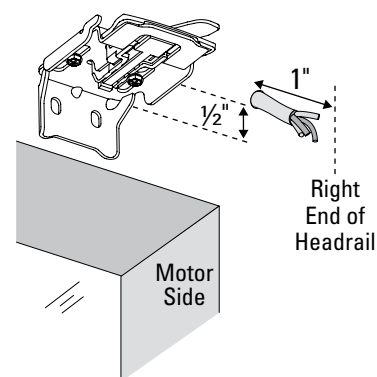


INSIDE MOUNT

— Wiring from the Side Jamb



OUTSIDE MOUNT



WARNING:

Do not place more than **two** PowerView+ Gen 3 Smart Power Supplies on a single home circuit with a 15 amp breaker.

NOTE: Before mounting shade installation brackets, installers need to ensure that the bracket mounting location allows room for the cable from the shade motor to fit behind the shade without interfering with operation. This requirement varies depending on product type, but for Aura™ Illuminated Shades and standard PowerView+ shades, 5/8" clearance is needed to accommodate the power cable.