

Sivoia® QS Wireless Smart Panel

The Sivoia® QS Wireless Smart Panel simplifies wiring and organizes installations with multiple Sivoia® QS Wireless window treatments.

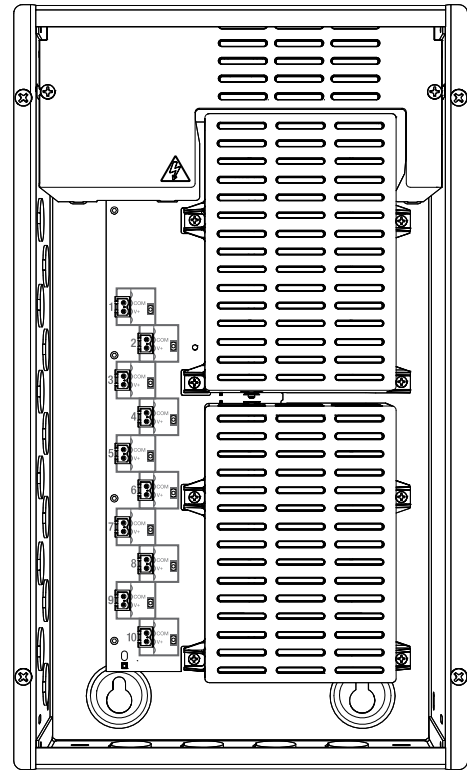
The Sivoia® QS Wireless Smart Panel is designed to be hardwired into a standard 120- 240 V~ circuit. Each panel contains ten NEC® Class 2/PELV outputs that provide power to connected devices.

Features

- Ten NEC® Class 2/PELV power supply outputs capable of operating Lutron® Sivoia® QS Wireless shades, drapery drive units, keypads & accessories
- Contains power supplies which are compliant with U.S. Department of Energy Efficiency Level VI
- No replaceable fuses required for overload/ miswire protection
- LEDs to provide output status feedback

Models

- QSPSY-10PNL: 10-Output Smart Panel
- QSPSY-10PNL-LID: Replacement Front Cover



Job Name:	Model Numbers:	
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Specifications

Power

- Input: 120-240 V~ 50/60 Hz 10 A
- Each output: 35 V== 143 mA 5 W
- Each output is capable of powering any one Lutron® Sivoia® QS Wireless shade or drapery drive unit (see the section titled: **Output Wiring Rules**)

Input Wiring

- 14 AWG - 10 AWG (2.5 mm² - 4.0 mm²) single wire, solid or stranded
- Torque terminal screws to: 5 in-lbs (0.5 N•m)
- Strip length: 5/16 in (8 mm)
- Maximum 1 panel per 15 A circuit breaker
- Maximum 2 panels per 20 A circuit breaker

Output Terminal Wiring

- 18 AWG – 12 AWG (1.0 mm² - 4.0 mm²) single wire, solid or stranded
- Torque terminal screws to: 5 in-lbs (0.5 N•m)
- Strip length: 1/4 in (6 mm)
- Ten (10) connections for shade power/communication (2-conductor)

Regulatory Approvals

- cULus Listed
- NOM Certified
- Contains U.S. Department of Energy Level VI compliant power supplies
- RoHS Compliant

Environment

- Ambient Temperature Operating Range: 32 °F to 104 °F (0 °C to 40 °C)
- Relative humidity: 0% to 90% non-condensing
- For indoor use only
- Thermal dissipation
 - with 1 Sivoia® QS Wireless window treatment and keypad per output: 20 BTU/hr
 - with load of 5 W per output: 52 BTU/hr
- Can be installed in accordance with NEC® Article 300.22(c) "Other spaces used for environmental air"

Performance

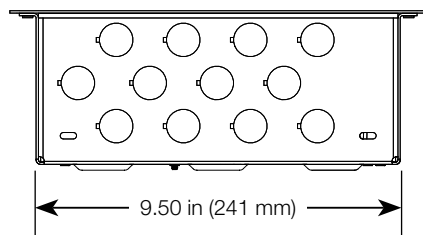
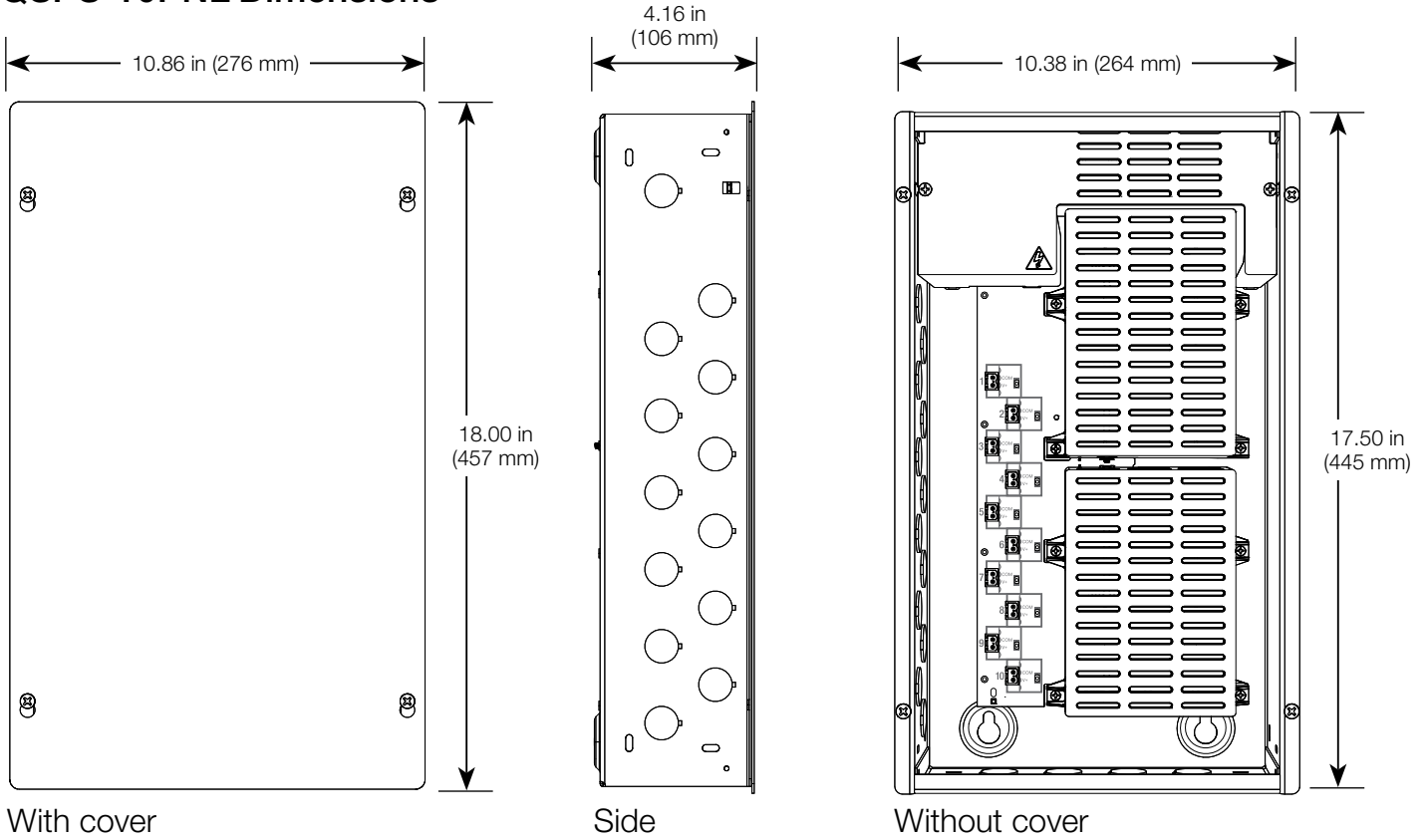
- +/- 6 kV surge protection (ANSI/IEEE C62.41 - 1991)
- +/- 16 kV ESD protection (EIC 61000-4-2 air discharge)
- Self-recoverable short circuit/miswire protection on power output terminals per output
- Self-recoverable overload/over temperature protection per output

Warranty

- Covered by Lutron Shading Solutions standard warranty; see: www.lutron.com/TechnicalDocumentLibrary/Window_Systems_Warranty.pdf

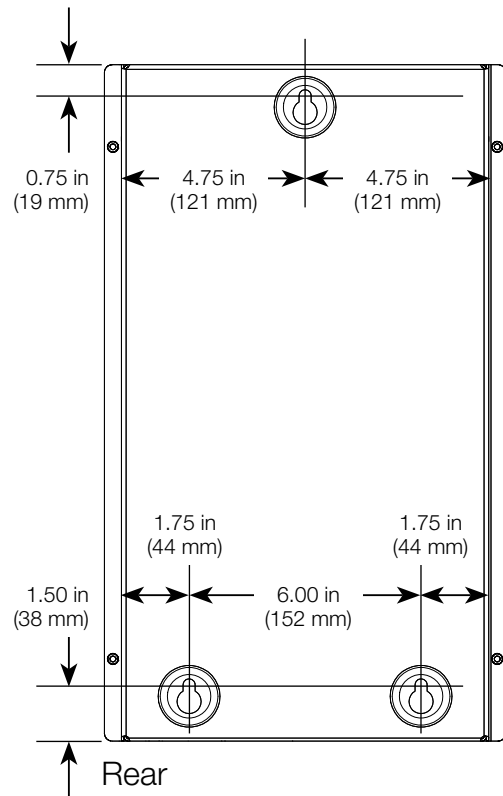
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QSPS-10PNL Dimensions



Bottom

All knockouts:
 Ø 7/8 in (22 mm)



Rear

Weight

- 15 lb (6.8 kg)

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Output Wiring Rules

The following rules must be observed for proper operation.

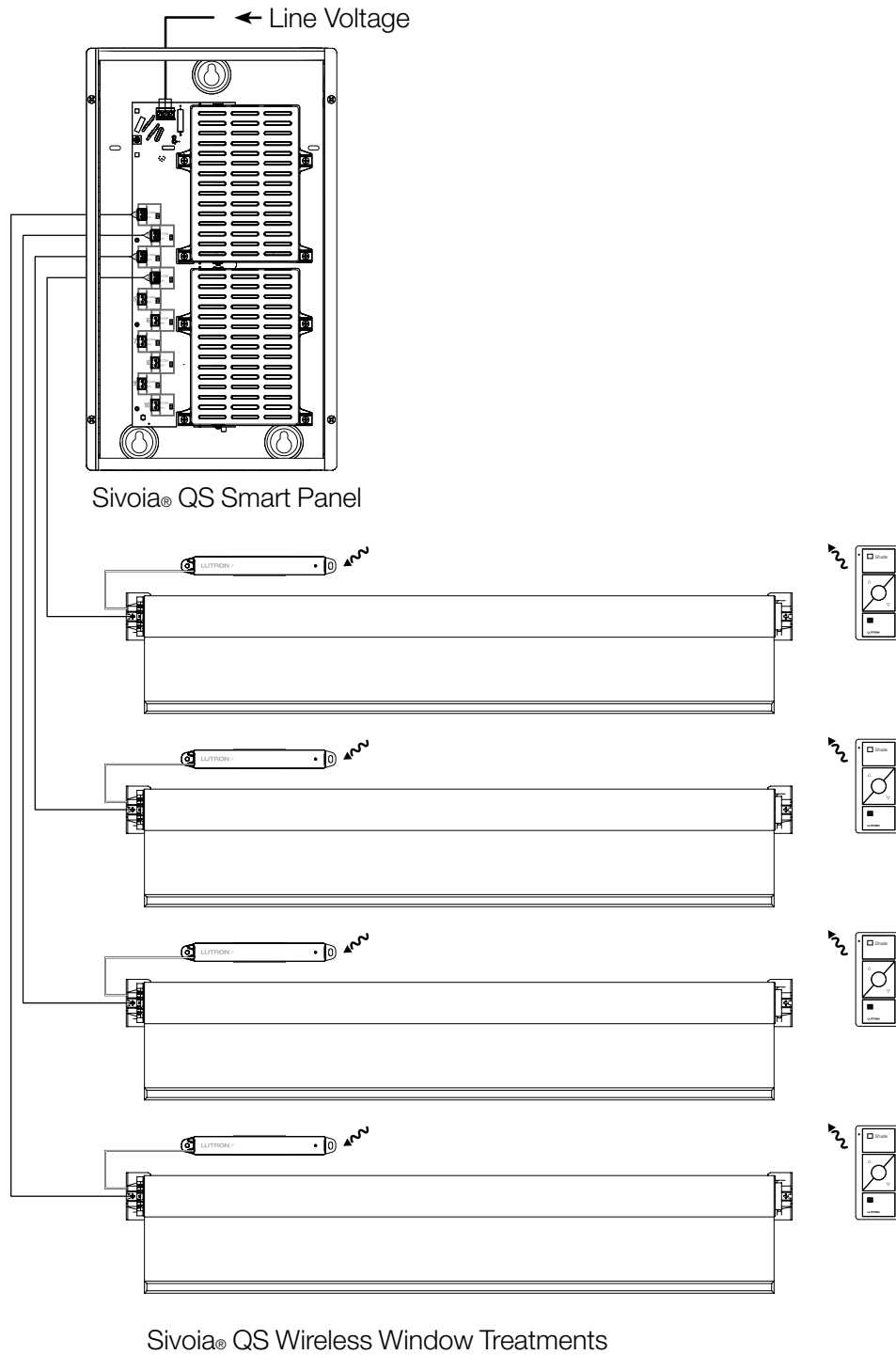
- Output wiring is NEC® Class 2/PELV. Follow all applicable local and national codes for proper circuit separation and protection.
- Power (V+) terminals must NEVER be connected between outputs

Maximum devices powered per output	Maximum total wire length of link wiring based on wire gauge		
	12 AWG (4.0 mm ²)	16 AWG (1.5 mm ²)	18 AWG (1.0 mm ²)
Devices			
Up to 8 Power Draw Units*	2000 ft (610 m)	1000 ft (305 m)	600 ft (183 m)
1 Sivoia® QS Wireless shade/drapery drive unit	500 ft (152 m)	200 ft (61 m)	125 ft (38 m)
2 Sivoia® QS Wireless roller 64 ≤ 30 sq ft (2.75 sq m) each	200 ft (61 m)	75 ft (23 m)	50 ft (15 m)
3 Sivoia® QS Wireless roller 64 ≤ 20 sq ft (1.8 sq m) each	200 ft (61 m)	75 ft (23 m)	50 ft (15 m)
2 Sivoia® QS Wireless roller 100 ≤ 50 sq ft (4.6 sq m) each	200 ft (61 m)	75 ft (23 m)	50 ft (15 m)

*PDU = Power Draw Unit. For more information, refer to the QS Link Power Draw Unit Specification Submittal (P/N [369405](#)).

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Application Example



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