

POWER STATION

| STPSRW 101/201, STPERW 101/201



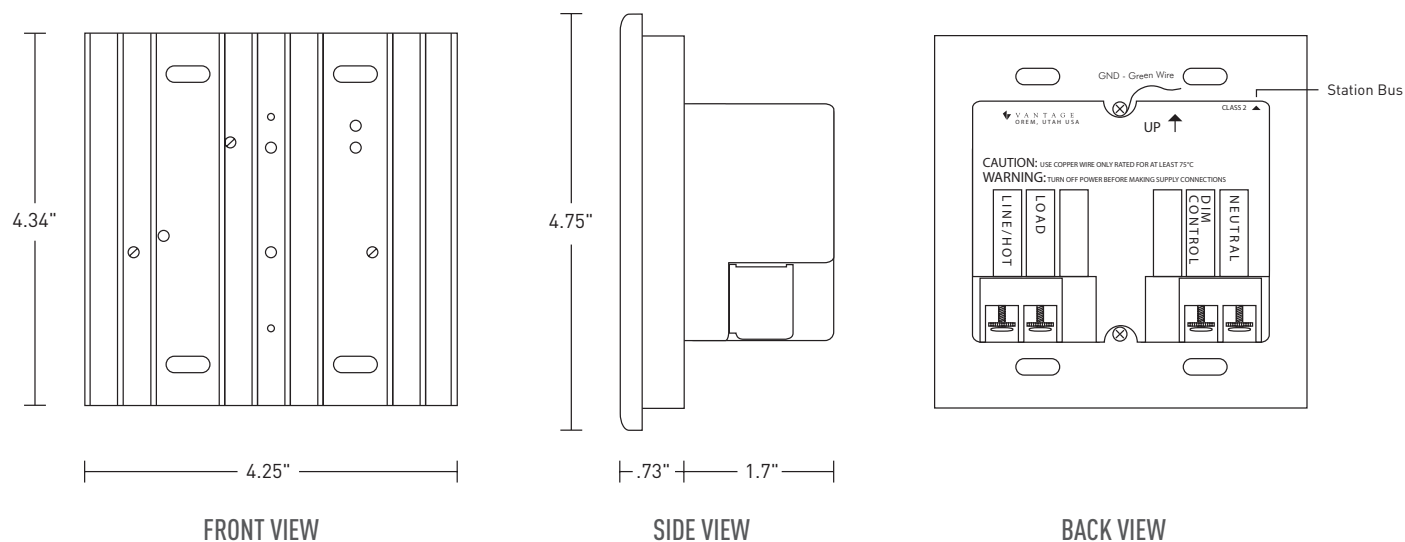
Description

The InFusion Power Station (STPSRW 101/201, STPERW 101/201) is an integral component to Legrand's lighting control system. It can be used to expand system capacity without adding modules or enclosures. Power stations can be connected directly to station bus, a ScenePoint Dimmer, or a Dimmer Module.

Operation

The InFusion Power Station is a large capacity dimmer and power booster. It is designed to handle larger than standard loads. Several models are available from Standard to Electronic-Dimmer and available in 120VAC and 277VAC models.

PROJECT		LOCATION/ TYPE	
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Highlights

The high capacity heatsink comes with an attractive white cover. It may be connected to a dimmed load or directly to the station bus. It will then act as a high-power, single-station dimmer. The Power Station can be controlled by either a dimmed signal from a ScenePoint or Module, or can be controlled directly from the controller by connecting to the station bus.

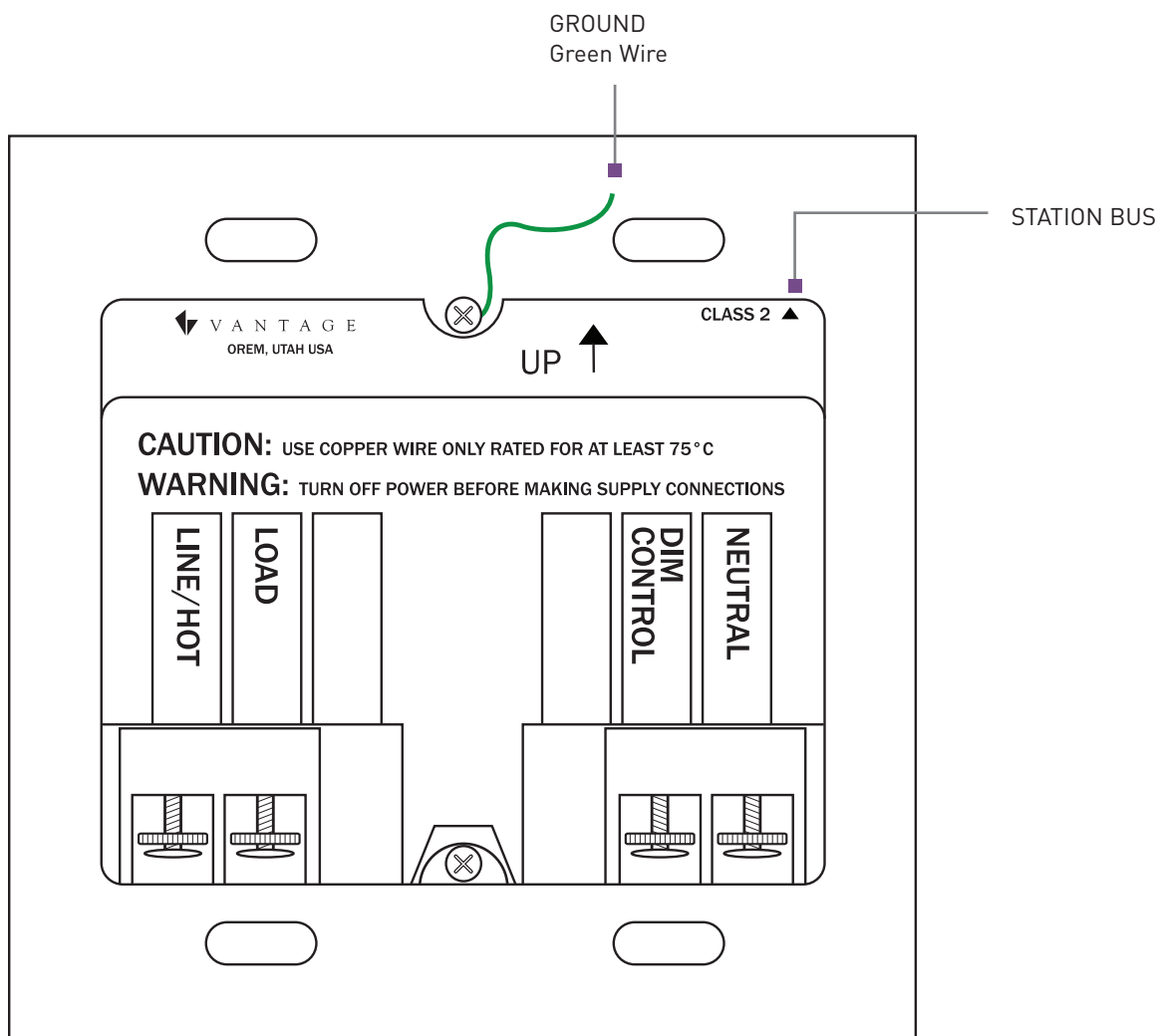
Applications

The power station is perfect for projects that wish to expand the dimming capabilities of the system. It may be used to add controlled loads in remote places where homerun wire to a standard module is not possible or as an expansion strategy. Power stations can be used to comply with 2016 Title 24, Part 6 dimmer control device requirements for both residential and non-residential buildings. Additionally, the Power Station is UL and CUL listed and is an integral component in Legrand's complete lighting control solution.

Features

- Connects directly to the station bus, a ScenePoint Dimmer, or a Dimmer Module
- STPERW101 handles up to 8 amps of incandescent or electronic loads @ 120 Volts
- STPERW201 handles up to 3.5 amps of incandescent or electronic loads @ 277 Volts
- STPSRW101 handles up to 16 amps of incandescent or 1000 VA of magnetic low-voltage @ 120 Volts
- STPSRW201 handles up to 16 amps of incandescent or 2000 VA of magnetic low-voltage @ 277 Volts
- Expands system capacity without adding modules or enclosures
- Counts as one station when connected to the station bus
- Installs in a deep two-gang box

Typical Terminal Board Wiring for STPSRW 101/201, STPERW 101/201 Power Stations



LED Dimming

Legrand is leading the way in LED lighting control through innovations of new hardware and software products; however, industry standards are still undefined for dimming LED lamps and fixtures. Dimming performance of LED lighting cannot be guaranteed, even when applying the correct dimming technology specified by the LED manufacturer. While Legrand may be consulted when performance issues are present, Legrand will not be liable for on-site performance issues.

- There are many factors that may contribute to unsatisfactory results within a specific installation, including, but not limited to:
 - Line noise originating from electrical equipment within the premises
 - Line noise from the source (particularly with local generators or inverters)
 - Interference between dimmed LED products
 - Wiring conditions (i.e. shared neutrals, loose neutrals, incorrectly bonded neutral, or grounding issues)
 - LED product variances, including:
 - Unintended batch-related variances
 - Product revisions

Dimensions (HWD)

Station Dimensions HWD	4.25" x 4.25" x 2.25" 107.9mm x 107.9mm x 57.1mm
Faceplate Dimensions	4.75" square 120.6mm square

Specifications

Models	STPSRW 101/201, STPERW 101/201
Weight	13.3oz. (377g)
Ambient operating humidity	5 - 95% non-condensing
Ambient operating temperature	32 - 95°F [0 - 35°C]
Cooling	Convection
Load types	(See table below)
Station Equivalent InFusion	0.35W on IC-24 / 0.55W on IC-36
Station Equivalent QLink	1 station
Status indicator	Microprocessor status
UL and CUL listed	Yes

Wiring Specifications

Station Bus wiring minimum	2 conductor, 16 AWG stranded, non-shielded twisted pair, 30 pF/foot max, UL rated CL2
Faceplate Dimensions	Any combination of daisy chain or star or branch or home run Station Bus should be separated a minimum of 18" from other parallel communication and/or high-voltage runs
Station Bus connect	24V / 36V Station Bus

Standard Dimmer			Electronic Dimmer	
	STPSRW101	STPSRW201	STPERW101	STPERW201
Load Types	Incandescent, Magnetic Low-Voltage	Incandescent, Magnetic Low-Voltage	Incandescent Electronic Lighting	Incandescent Electronic Lighting
Input Voltage	120VAC	220-277VAC	120VAC	220-277VAC
Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
*MLV Max. Load	1000VA @ 120V	2000VA @ 277V	NA	NA
Maximum Load	16A 1920VA @ 120V	16A 3520 VA @ 220V 16A 4432W @ 277V	8A 960W @ 120V	4.5A 990W @ 220V 3.5A 970W @ 277V
Maximum LED Load	3.2A 384W @ 120V	3.2A 704W @ 220V 886.4W @ 277V	4.8A 576W @ 120V	2.7A 594W @ 220V 2.1A 582W @ 277V
Minimum Load Rating	15W	15W	5W	5W

System Compatibility

InFusion

Ordering Information

Catalog #	Description
☐ STPSRW101	InFusion Power Station 120V Standard
☐ STPSRW201	InFusion Power Station 277V Standard
☐ STPERW101	InFusion Power Station 120V Electronic
☐ STPERW201	InFusion Power Station 277V Electronic