

SEEUPS1-UNV-25L-SD

25W Emergency Micro Inverter

The SEEUPS1-UNV-25L-SD delivers 25W of emergency power for 90 minutes, allowing standard LED fixtures to provide emergency illumination during a power failure. Supports a single fixture or multiple fixtures with a combined load of up to 150W during normal operation.

Features

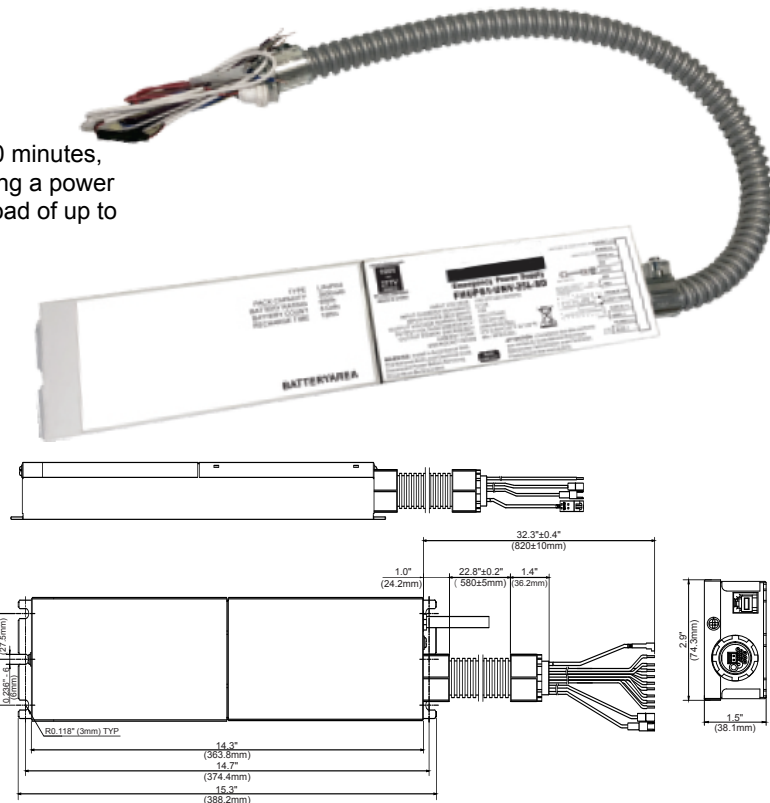
- 25W emergency output for 90 minutes
- Supports lighting loads up to 150W with 0-10V dimming
- Universal 100-277VAC input
- Auto-select 120/220/277VAC output
- LiFePO4 battery technology
- Self-test / self-diagnostics
- Remote test switch included
- Short circuit, overload and undervoltage protection
- Dry and damp location suitable
- 5-year warranty

ELECTRICAL / PERFORMANCE

- **Input Voltage:** 100–277VAC, 50/60Hz
- **Input Current:** 0.12A
- **Input Power:** 11W
- **Emergency Output Power:** 25W Max. (45VA)
- **AC Load Capacity:** 150W Max. with 0–10V Dimming; 25W Max. without 0–10V Dimming
- **Output Voltage:** 120/220/277VAC Auto-Select
- **Battery Type:** LiFePO4
- **Battery Capacity:** 3600mAh
- **Recharge Time:** 12 Hours
- **Emergency Runtime:** 90 Minutes Minimum
- **Standby Power:** CEC Compliant
- **Operating Temperature:** 0°C to 50°C (32°F to 122°F)
- **Sound Rating:** Class A
- **Service Life:** 50,000 Hours
- **Warranty:** 5 Years

TESTING & PROTECTION

- Test Switch Lead Length - 23" (584mm)
- Maximum Remote Test Switch Distance - 65.6' (20m)
- Short Circuit Protection
- Overload Protection
- Under Voltage Protection
- 2kV Line-Neutral Surge Protection
- 3kV Line/Ground Surge Protection



Overall Dimensions	
Length	15.3" (388.2mm)
Width	2.9" (74.3mm)
Height	1.5" (38.1mm)

LISTINGS:

- UL 924
- CSA C22.2 No. 141
- FCC Part 15A
- RoHS Compliant
- CEC Compliant
- IP20 Rated



Part Number Matrix

SEEUPS

UPS= Uninterruptible Power Supply

1

1 = Order Number

UNV

Input Voltage

UNV= 100V-277V

25

Maximum Output Power

25 = 25W

L

Case Type

L= Long or Linear

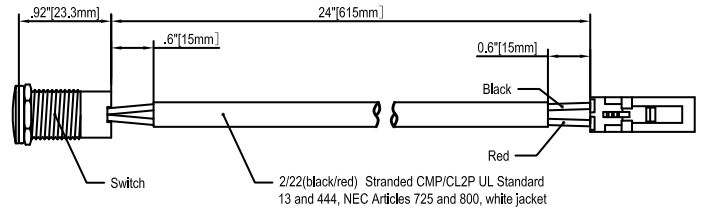
SD

Additional Options

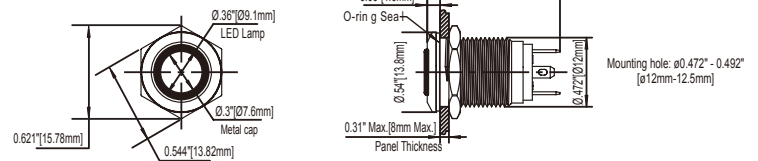
SD= Self Diagnostic

Accessories

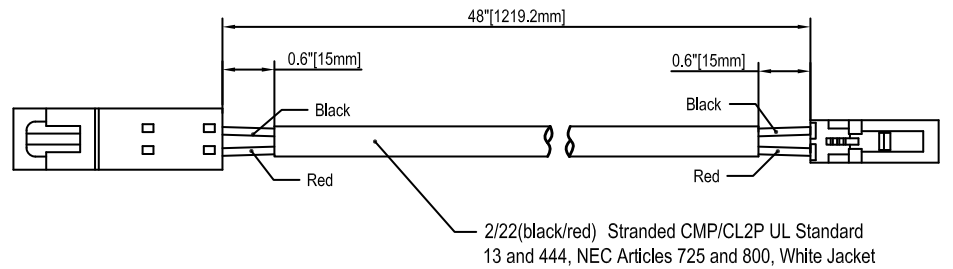
Bi-Color Wet Location Test Switch: SEETSTWL-BC



Overall Switch Dimension



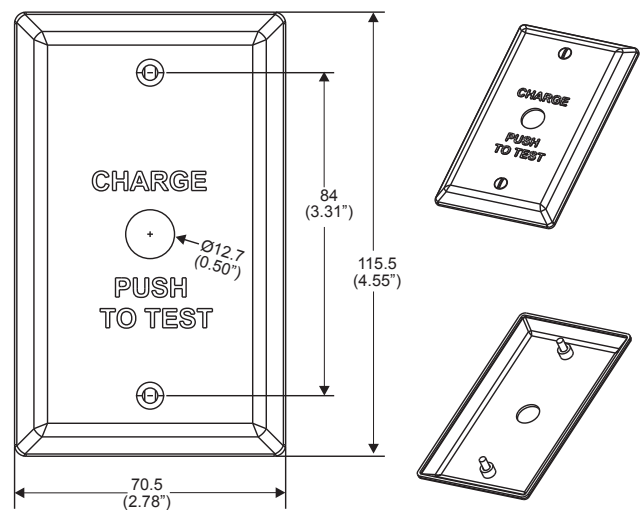
Test Switch Extension: SEEXT48-TST



Optional Wall Plate: SEEWLPWH

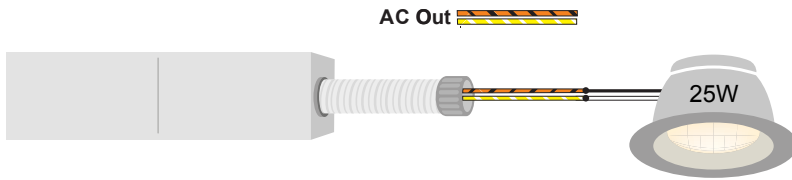


Wall plate and screw color:
white with black lettering



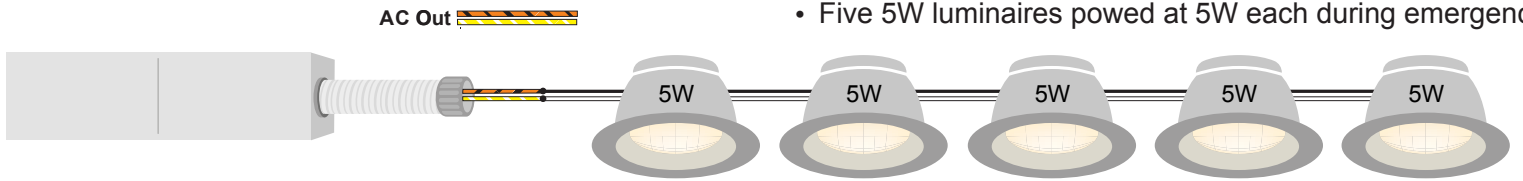
1. "Charge push to Test" plate
2. (2) 6-32 x 1/2" LG mounting screws

Wiring one single luminaire without 0-10V dimming



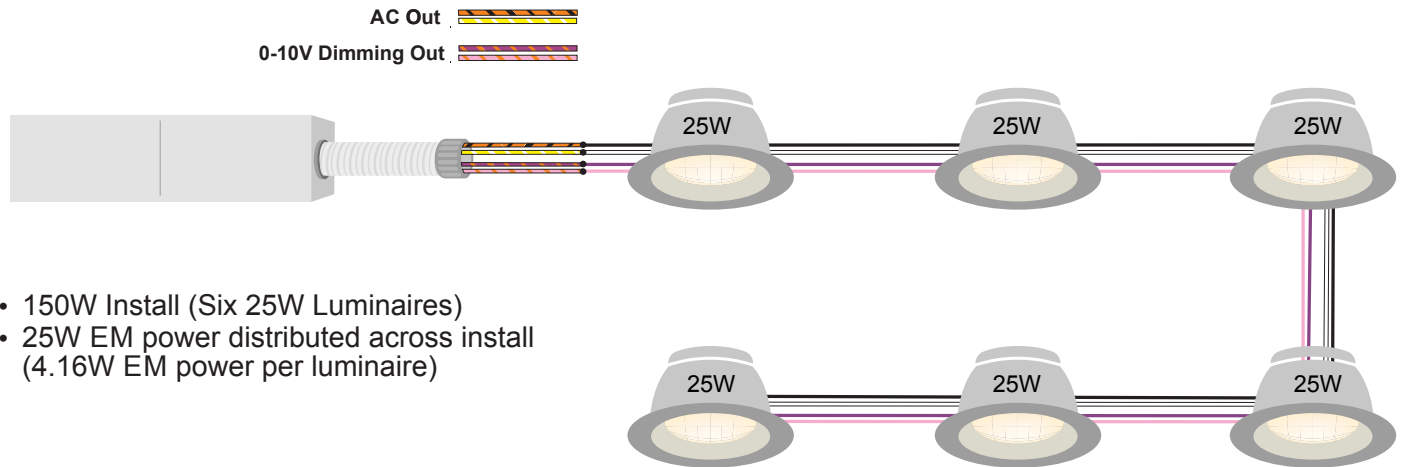
- One 25W luminaire powered at 100% during emergency

Wiring multiple luminaires without 0-10V dimming



- Five 5W luminaires powered at 5W each during emergency

Wiring multiple luminaires with 0-10V dimming



- 150W Install (Six 25W Luminaires)
- 25W EM power distributed across install (4.16W EM power per luminaire)

TEST SWITCH INDICATOR STATUS:

LED Indicator Status	EM Driver Status/Mode	Possible Solutions
● Solid Green	System OK/AC OK(Self-diagnostic Enabled or Disabled)	
● Slow Flashing Red, 4s on/1s off	Battery not detected	Check battery connection and charge for 12 hours
● Flashing Red, 1s on/1s off	Battery failure	Replace battery
● Flashing Green, 2s on/2s off	Self-diagnostic test underway	
● Fast Flashing Red, 0.1s on/0.1s off	Abnormal driver performance	Replace driver
● None. Both LEDs OFF	Normal working in EM mode	
● Very Slow Flashing Red, 1s on/7s off	OTP or other internal protections triggered	Check EM Battery Environment
● Slow Flashing Red, 0.5s on/2s off	EM rating exceeded, load exceeds 30W	Verify minimum dimming of 25W of fixture
● Blinking Red 4s on/4s off	Overload	Verify 0-10V connection

*Notes: OTP = Over Temperature Protection; ensures max temperature ratings are not exceeded.