

SEEUPS1-UNV-12L-SD

12W Emergency Micro Inverter

The SEEUPS1-UNV-12L-SD delivers 12W 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 100W during normal operation.

Features

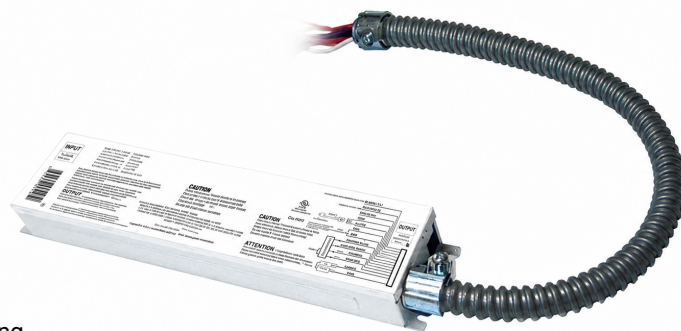
- 12W emergency output for 90 minutes
- Supports lighting loads up to 100W with 0-10V dimming, 18W with Triac Dimming
- Universal 100-277VAC input
- Auto-select 120/220/260VAC output
- Lithium-Ion battery technology
- Self-test / self-diagnostics
- Remote test switch included
- Short circuit, overload 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:** 7W
- **Emergency Output Power:** 12W Max.(30VA Max.)
- **AC Load Capacity:** 100W Max. with 0-10V Dimming; 12W Max. without 0-10V Dimming
- **Output Voltage:** 120/220/260VAC Auto-Select
- **Battery Type:** LiFePO4
- **Battery Capacity:** 5000mAh
- **Recharge Time:** 24 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

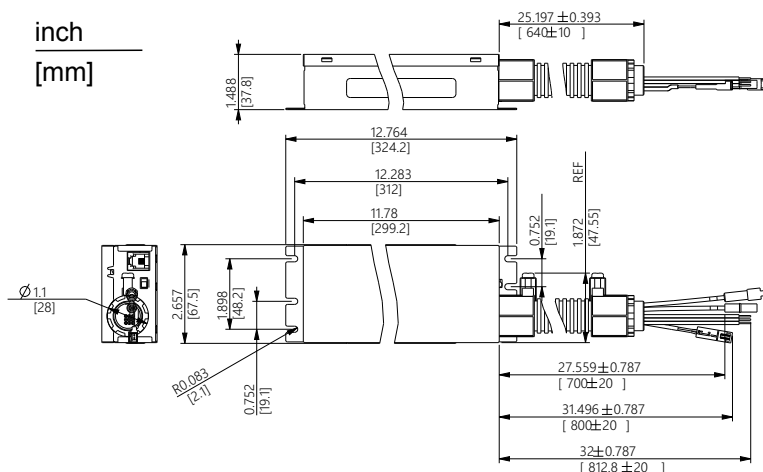
TESTING & PROTECTION

- 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



DIMENSIONS

inch
[mm]



Overall Dimensions

Length	12.764" [324.2mm]
Width	2.657" [67.5mm]
Height	1.488" [37.8mm]

LISTINGS:

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

IP20

RoHS COMPLIANT



BC



EMER. POWER EQ.

Part Number Matrix

SEEUPS1-UNV-12L-SD-

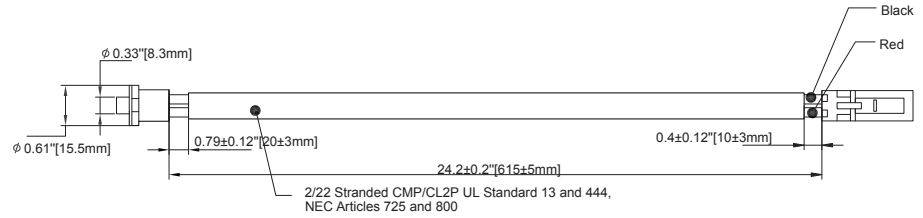
12W Emergency Micro Inverter

ACCESSORIES:

- SEETSTWL-BC Wet Location Test Switch
- SEEXT-48-TST Test Switch Extension
- SEESWLPWH White Wall Plate

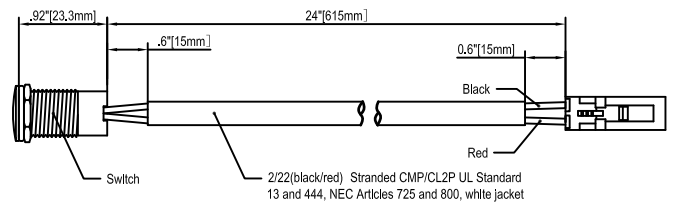
Accessories

Test switch wire

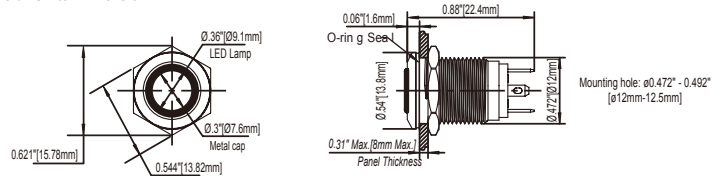


Optional Accessories

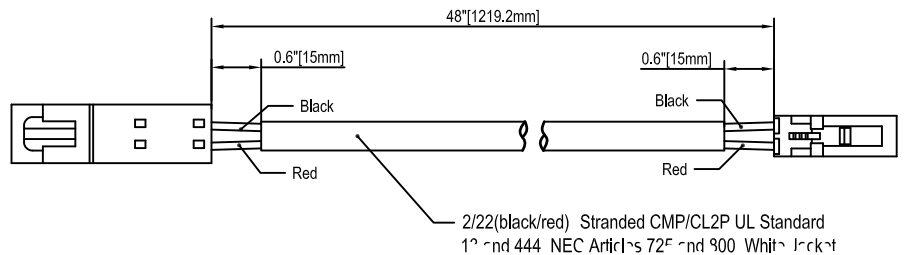
Bi-Color Wet Location Test Switch: SEETSTWL-BC



Overall Switch Dimension

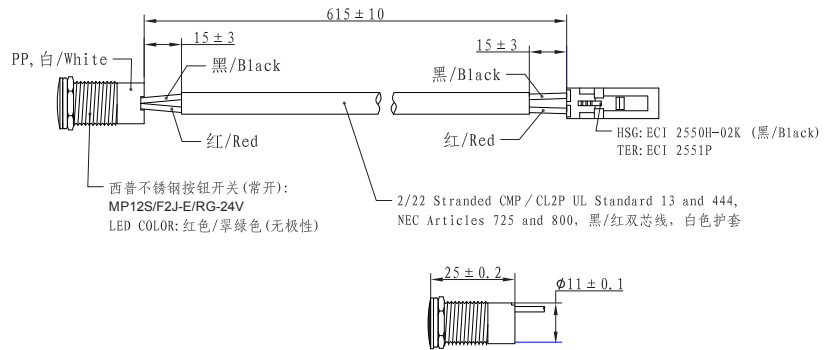


Test Switch Extension: SEETST-TST



Optional Accessories

White Wet Location Test Switch: SEETSTWL-BCW



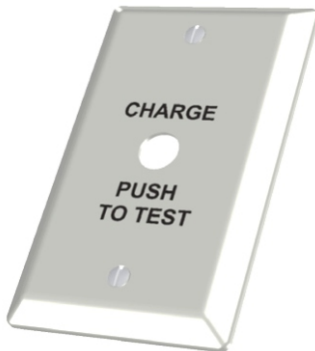
Optional Accessories

Wall Plate: SEEWLPWH

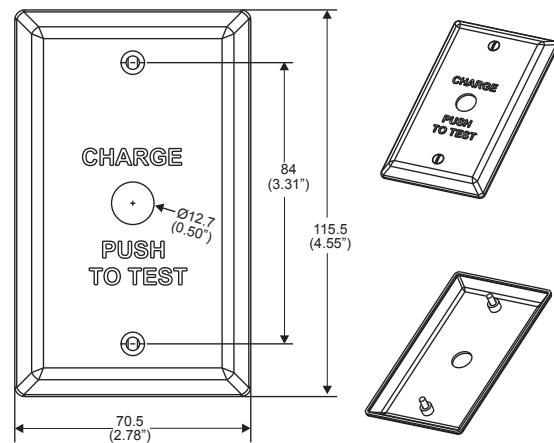


Wall plate and screw color:
white with black lettering

Wall Plate: SEEWLPWHW (Pure White Wall Plate)



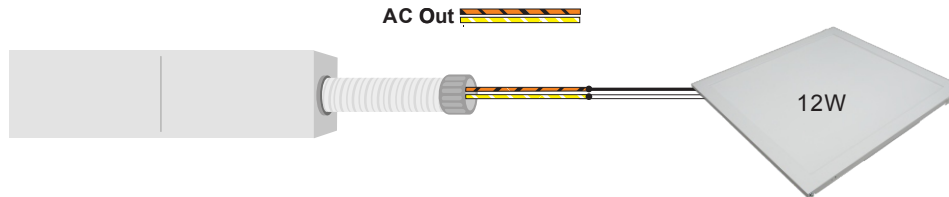
Wall plate and screw color:
Pure white with black lettering



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

Wiring Diagram 4

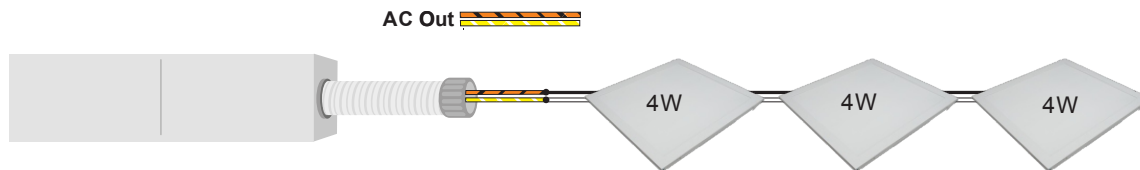
Wiring one single luminaire without 0-10V dimming



- One 12W luminaire powered at 100% during emergency

Wiring Diagram 5

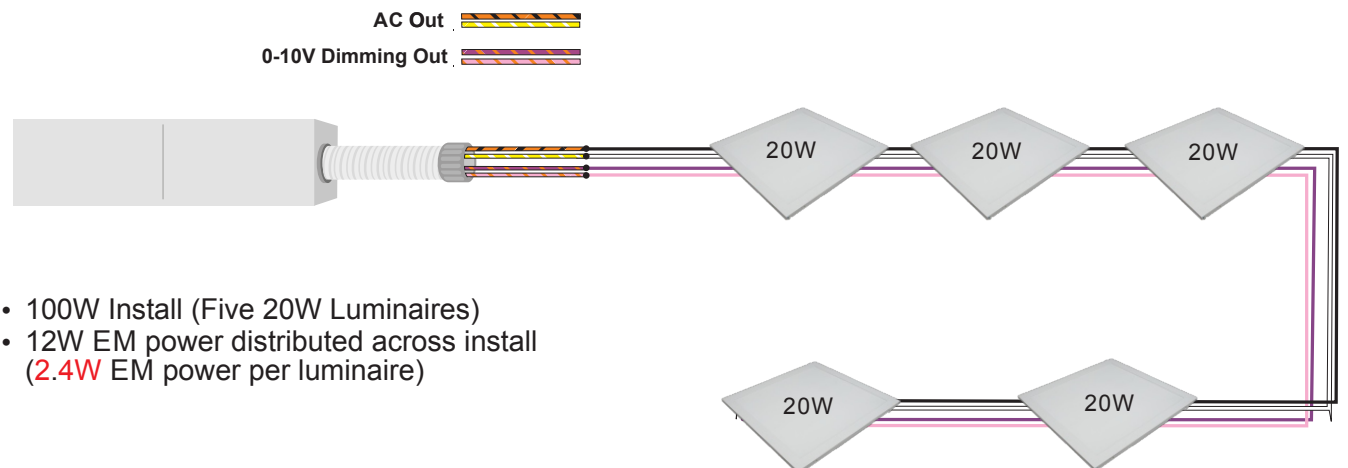
Wiring multiple luminaires without 0-10V dimming



- Three 4W luminaires powered at 4W each during emergency

Wiring Diagram 6

Wiring multiple luminaires with 0-10V dimming



- 100W Install (Five 20W Luminaires)
- 12W EM power distributed across install
(2.4W EM power per luminaire)

TEST SWITCH INDICATOR STATUS:

LED Indicators Status	EM Driver Status / Mode
 Solid Green	System OK/AC OK(Self-Diagnostic Enable or Disabled)
 Slow Flashing Red, 4s on/1s off	Battery Not detected, check battery switch or connection
 Flashing Red, 1s on/1s off	Battery Failure, replace battery
 Flashing Green, 1s on/1s off	Self-Diagnostic test underway
 Slow Flashing Green, 0.1s on/3s off	Normal working in EM mode
 Flashing Green, 2s on/0.5s off	Enables Self-diagnosis
 Flashing Green, 0.5s on/2s off	Cancel Self-diagnosis
 Flashing Red, 4s on/4s off	Abnormal over power Under Self-diagnosis/Power exceeds or drops below 12W during discharge Under self-diagnostic mode
 Flashing Red, 0.5s on/3s off	Self-diagnosis process Low Voltage fault/Output power has deviated +/- 10% during discharge Under self-diagnostic mode