

FHSCP-UNV-8W-L-SD



RoHS
COMPLIANT

Emergency LED Driver

- Emergency LED Driver
- Universal Voltage: 120-277V~
- Output Voltage Range: 15-55V $\overline{\text{---}}$
- Output Current: 550mA Max
- Output Wattage: 8W
- Output Type: LED Class 2
- Number of Output Channels: 1 Channel
- Wet and Damp Location, IP20

General Specifications

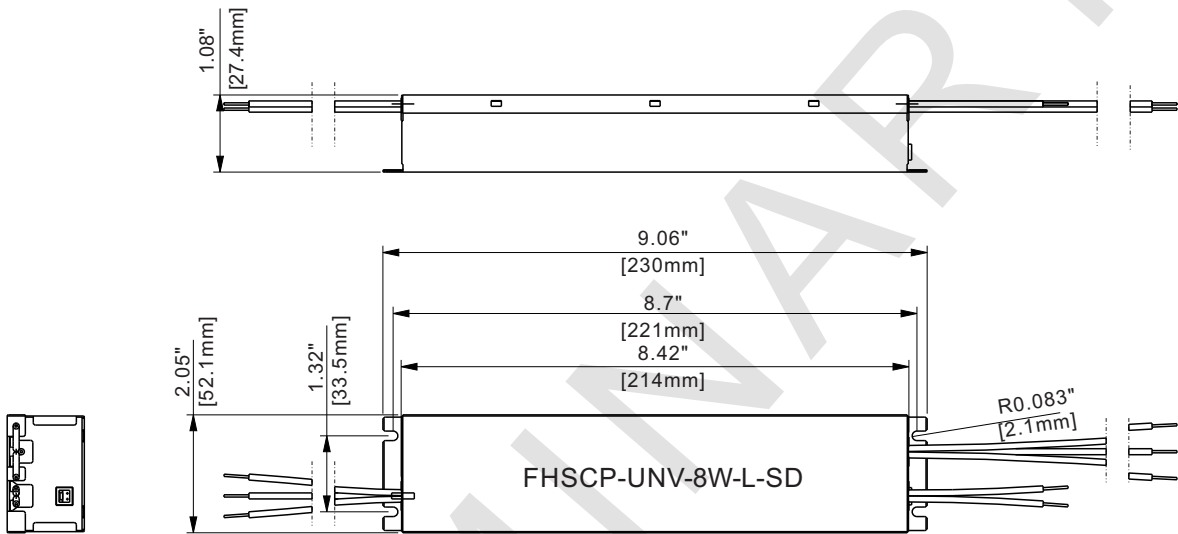
Input Voltage / Frequency	120-277V~ , 50/60Hz
Input Current	<0.12A
Input Power	<5W
Standby Power	0.85W
Input Power Pass-Through Rating (AC Driver Line)	2A
Max Output Rating (LED+ LED-	3A, 55V Max
Output Type	LED Class 2
Output Power	8W
Output Voltage Range	15-55V $\overline{\text{---}}$
Output Current Rated	0.55A Max
Number of Output Channels	1 Channel
Test Switch	Plastic Bi-Color Test Switch
Input Surge Protection	3KV/6KV Ring wave
Emergency Mode Protections	Output Open Protection
	Output Overload Protection
	Output Short Circuit Protection
	Output Temperature Protection
RFI/EMI	FCC Part 15 ClassA
Ambient Operating Temperature Range	0°C To 55 °C(32 °F To 131 °F)
Tc	TBD
Sound Rating	A
Battery Type	Ternary lithium battery
Battery Voltage	10.8V
Battery Capacity	3350mAh (TBD)
Battery Charge Current	335mA $\pm$ 5% (TBD)
Battery Recharge Time	24 Hours
Battery Discharge Time	Min 1.5 Hours
IP Rating	IP20
Test Switch Remote Mounting Distance	65.6' (20m) Max.
Service Life	50,000 hours
Warranty	5 years
Safety Standards	UL 924/UL 1310/CSA C22.2 No.141

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Mechanical Data



Overall Dimensions	
Length	9.06" (230mm)
Width	2.05" (52.1mm)
Height	1.08" (27.4mm)

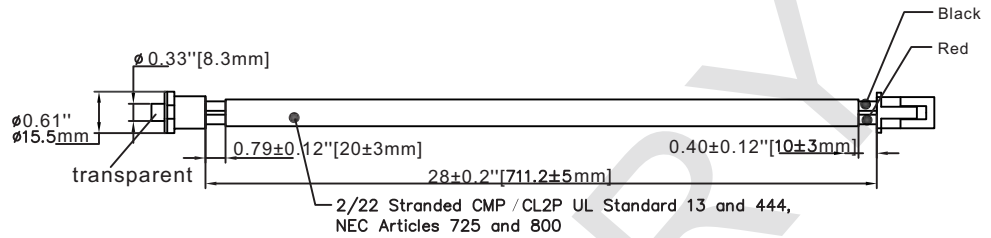
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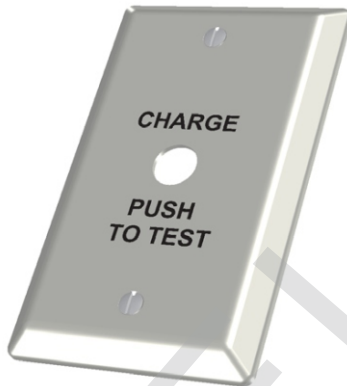
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Accessories

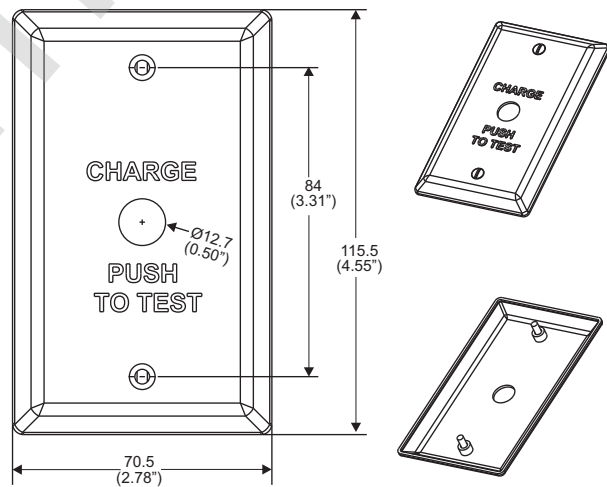
Test switch wire



Wall Plate: FHSWLPWH



Wall plate and screw color:
white with black lettering



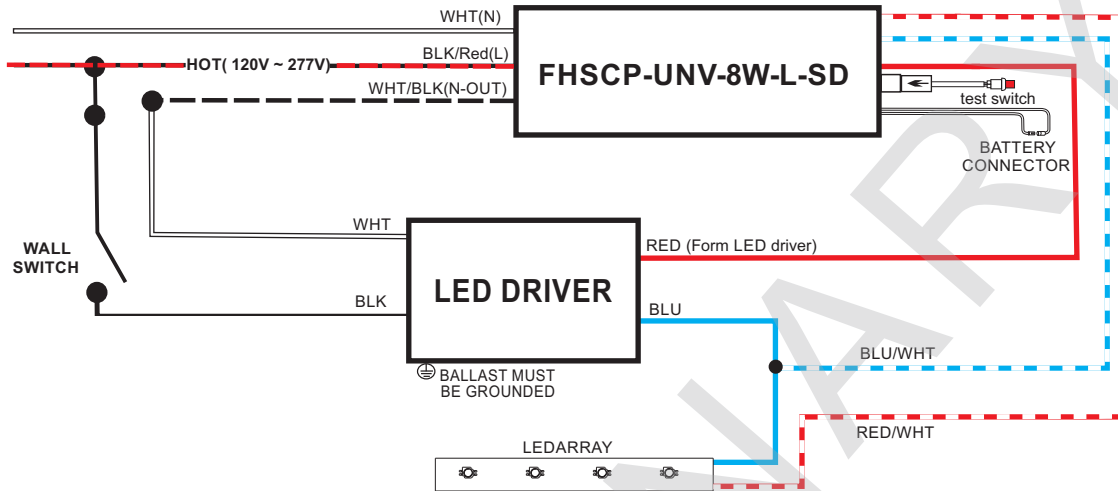
1. "Charge push to Test" plate
2. (2) 6-32 x $\frac{1}{2}$ " LG mounting screws

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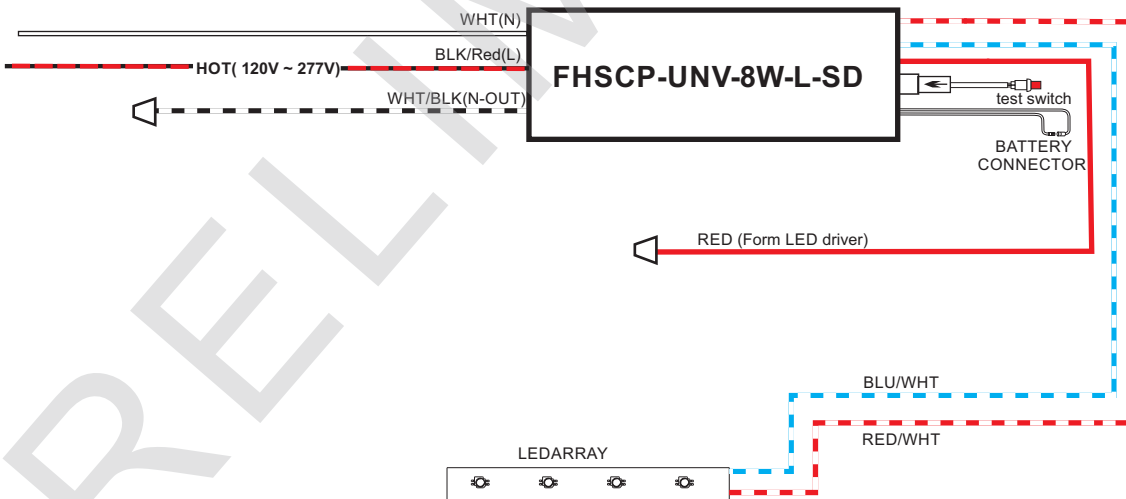


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Wiring Diagram



Wiring Diagram (Emergency Only)



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Test Switch Indicator Status:

LEDIndicatorsStatus	EM Driver Status/Mode
● Solid Red	Normal working in AC mode.
● Slow Flashing Red,4s on/1s off	Battery not detected mode.
● Flashing Red,1s on/1s off	Battery Failure Detected mode.
● Flashing Red, 4s on /4 soff	No Load/LED Load Failure mode.
● Flashing Red, 0.1s on/3s off	Emergency mode.

Test Switch Operations:

EM Test: Press and hold test button (1s) to enter EM mode for testing in normal AC powered.
Long press (10s) exit emergency mode.

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Guidelines

Grounding

- Driver must be grounded by means of the Driver case.

LED load

- Fulham's Hotspot Constant Power Emergency LED drivers are designed to drive passive LEDs, -COB's and -LED assemblies. Proper function is not guaranteed when (LED) loads with active components are used.

Mounting / Cooling

- Above an output power of 8W, the driver needs to be mounted on a heat conductive surface of at least 40cm². Always test if the surface is sufficient enough before installing the driver.

Short-circuit protection

- In case of a short circuit the LED driver switches to protection mode. After the removal of the short-circuit the LED driver will Latch ,need restart AC Power.

No-load Operation

- In no-load operation the output voltage will not exceed the specified open circuit output voltage.

Hot Swapping

- This driver does not support hot swapping of the LEDs

Battery Maintenance

- In order to maintain proper operation and warranty coverage, the battery must be recharged once per year prior to installation.

Warranty

- Reference Fulham's limited Warranty: <https://cdn.fulham.com/PDFs/Limited-Warranty.pdf>
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Part Number Matrix

<u>FHS</u>	<u>CP</u>	<u>UNV</u>	<u>8W</u>	<u>L</u>	<u>SD</u>
<u>LED Driver</u>	<u>Driver Type</u>	<u>Input Voltage</u>	<u>Power</u>	<u>Case Type</u>	<u>Special Features</u>
FHS = FireHorse HotSpot Driver	CP = Constant Power	UNV = 120V-277V	8W = 8 Watts	L = Long Case	SD = Self Diagnostic

Product Image: LED Driver

FHSCP-UNV-8W-L-SD

Packaging

Master Carton



OUTER DIMENSION		
L	W	H
Net Weight	Gross Weight	QUANTITY