FHSCP-UNV-10W-L-SD

RoHS COMPLIANT

Emergency LED Driver

- Emergency LED Driver
- Universal Voltage: 120-277VAC, 50/60Hz
- Output Voltage Range: 15-55V ⎓
- Output Current: 55-666mA
- Output Wattage: 3W-10W (Factory default 10W)
- Output Type: LED Class 2
- Number of Output Channels: 1 Channel
- Dry and Damp

General Specifications

Input Voltage / Frequency	120-277VAC , 50/60Hz
Input Current	0.12A
Input Power	6.5W TBD
Standby Power	<0.85W
Input Power Pass-Through Rating (AC Driver Line)	2A
Max Output Rating (LED+ LED- Terminal)	3A, 55V Max
Driver Type	Constant Power
Output Current Rated	666mA Max.
Output Voltage Range	15 - 55VDC
Output Power	10W Max
Number of Output Channels	1 Channel
Input Surge Protection	3KV/6KV Ring wave
RFI/ EMI	FCC Part 15A
Output Type	LED Class 2
Battery Type	Ternary Lithium Battery
Battery Voltage	10.8V
Battery Capacity Available	3350mAh TBD
Battery Recharge Time	24 Hours Max TBD
Battery Discharge Time	1.5 Hours Min.
Rated Ambient (ta)	0°C to 55°C (32°F to 131°F)
Protections	Over / Under Voltage Protection
	Overload Protection
	Output Open Circuit Protection
Sound Rating	A
Humidity	5% - 95%
Safety Standards	UL 924, UL 1310, CSA C22.2 No.141-10
Service Life	50,000 Hours
Warranty	5 Years From the date of manufacture when properly installed

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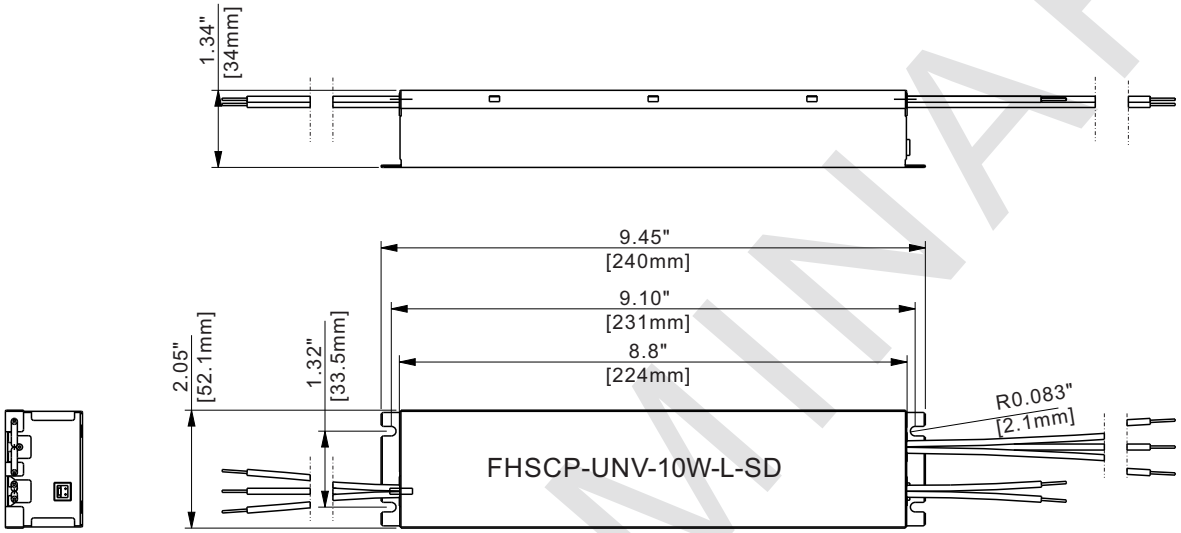
Mechanical Data

Overall Dimensions	
Length	9.45" (240mm)
Width	2.05" (52.1mm)
Height	1.34" (34mm)



Tolerance=0.02"

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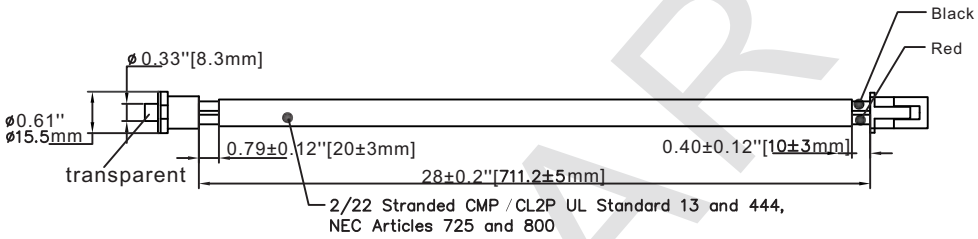
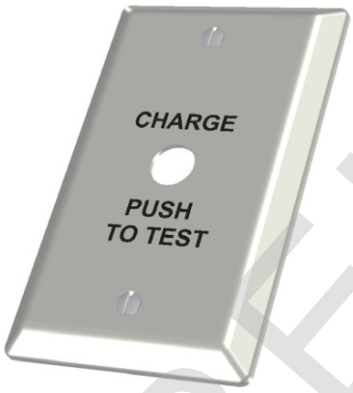
Accessories

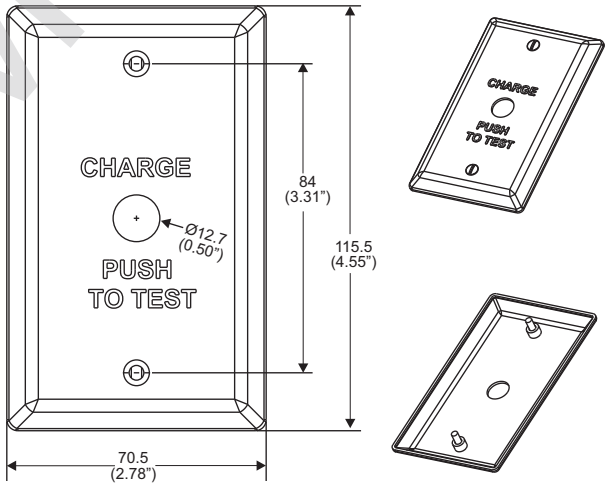
Test switch wire



Wall Plate: FHSWLPWH



Wall plate and screw color:
white with black lettering



1.“Charge push to Test”plate
2. (2) 6-32 x ½”LG mounting screws

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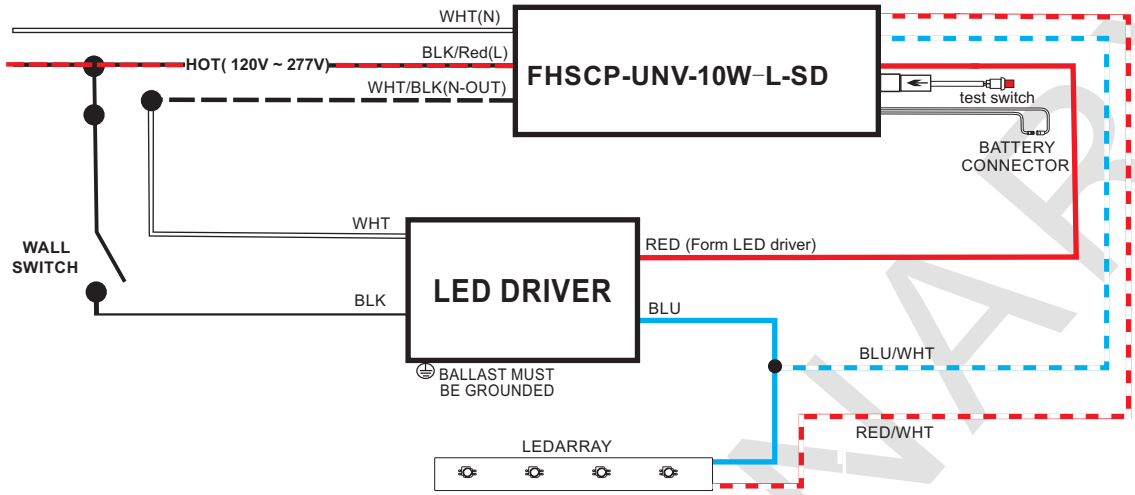
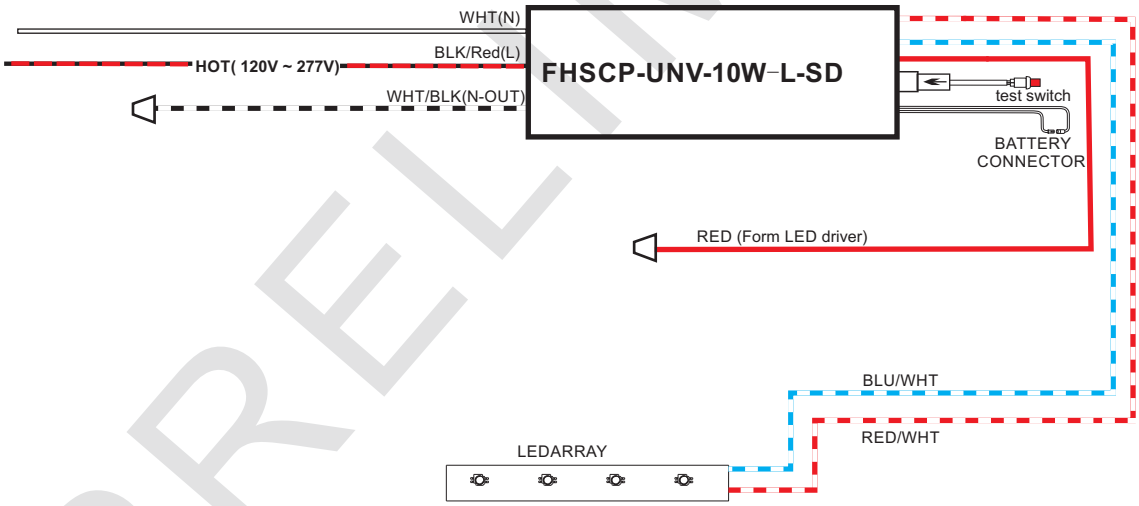
Wiring Diagram



Wiring Diagram (Emergency Only)



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SELF-DIAGNOSTIC INSTRUCTIONS / OPERATION:

If the self-diagnostic feature is enabled:
The emergency LED driver will conduct a self-check for thirty(30)seconds every thirty(30)days; and a ninety(90) minutes self-check every 12 months. After every self-check the LED indicator light will indicate a status signal. Check indicator status chart below to diagnose the status signal.

If the self-diagnostic feature is disabled:
User must conduct a manual test every thirty (30) days to ensure the emergency LED light source illuminates as intended. A full discharge test shall be conducted once a year; the LED light source shall illuminate for a minimum of ninety (90) minutes.

***Self-Diagnostic feature is factory enabled**

TEST SWITCH INDICATOR STATUS:

LED Indicators Status	EM Driver Status / Mode
Solid Green	System OK / AC OK (Self-Diagnostic Enabled 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
Fast Flashing Red, 0.1s on / 0.1s off	Abnormal driver performance, replace driver
Slow Flashing Green, 0.1s on / 3s off	Normal working in EM mode
Solid Red	No load or output over voltage protection triggered , Check LED connection
Slow Flashing Red, 0.5s on / 0.5s off	Charge circuit failure replace driver

TEST SWITCH OPERATIONS

EM Test:
Press and hold the test button (>1s) to enter EM mode in normal AC powered.

Manual Self-Diagnostic:
After charging twelve (12) hours or battery fully charged, quickly press the test button three(3) times within two (2) seconds to force the controller to enter Self-Diagnostic cycle. To quit the Self-Diagnostic cycle after engaged, press and hold the test button for ten (10) seconds.

Enable/Disable Self-Diagnostic Status:
Fast click 2 times within 2s to query the Self-Diagnostic Enabled/Disabled status. The indicator would blink for current status for 3 cycles. 2.5s ON/0.5s OFF stands for Enabled. 0.5s ON/2.5sOFF stands for Disabled.

Load Test:
When the test button is flashing red 4s on/4s off, press and hold the test switch for 10s, the unit will enter Self -Diagnostic mode.

Turn Off EM Output:
Press and hold the test switch for 3 seconds during EM output condition to turn off EM output. This is useful for production environment to turn off the EM output once a luminaire has completed functionality testing.

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Guidelines

Grounding

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

Overload Protection

- If the maximum output power is exceeded, the LED driver switches offautomatically, after elimination of the overload the normal operation is restored automatically.

LED Load

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

Mounting and cooling

- Above an output power of 10W, the driver need to be mounted on a heat conductive surface of at least 100cm². Always test if the surface is sufficient enough before installing the LED driver.

Short Circuit Protection

- In case of a short circuit the LED driver switches to protection mode. After removal of the short-circuit the LED driver will recover automatically.

No Load Operation

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

Hot Swapping

- This driver does not support the hot swapping og the LED's.

Remote Mounting

- up to 50ft with 18AWG wire. Contact Fulham for higher remote distance.

Warranty

- Reference Fulham's limited Warranty: https://cdn.fulham.com/PDFs/Limited-Warranty.pdf

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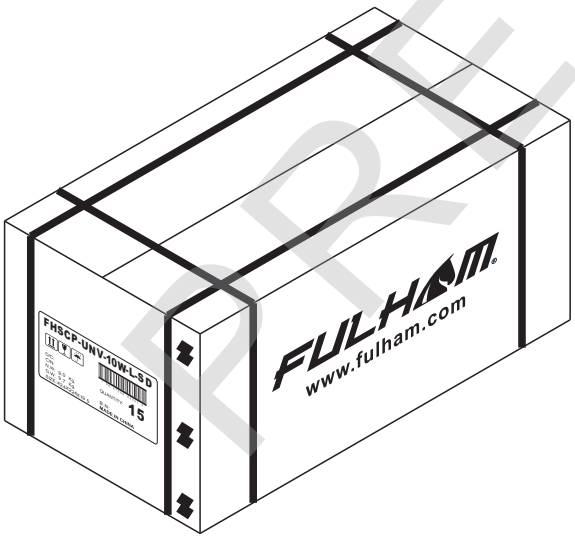
Part Number Matrix

FHS	CP	UNV	10	L	SD
LED Driver	Driver Type	Input Voltage	Max Output Power	Case Type	Special Features
FHS = FireHorse HotSpot Driver	CP = Constant Power	UNV = 120V-277V	10W = 10 Watts	L = Long Case	SD = Self Diagnostic

Product Image: FHSCP-UNV-10W-L-SD

Packaging

Master Carton



OUTER DIMENSION		
L	W	H
Net Weight	Gross Weight	QUANTITY