

FHSCP-UNV-10P-S-SD





Programmable Emergency LED Driver

- Emergency LED Driver
- Input Voltage: 240Vac ± 20% •
- Output Voltage Range: 15-55V ----.
- Output Current: 55-666mA .

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Output Wattage: 3W-10W (Factory default 10W)

- Output Type: LED Class 2, Class 2 •
- Number of Output Channels: 1 Channel

General Specifications				
Input Voltage / Frequency	120-277V~, 50/60Hz			
Rated Input Voltage	240Vac ±20%, 50/60Hz			
Input Current	0.1A Max			
Input Power	5W Max			
Standby Input Power	<0.85W			
Input Power Pass-Through Rating (AC Driver Line)	2A			
Max Output Rating (LED+ LED- Terminal)	3A, 55V Max			
Output Type	LED Class 2, Class 2			
Output Power	3W-10W			
Voltage Range	15-55V 			
Current Rated	55-666mA			
Number of Output Channels	1Channel			
Program Port	I ² C			
Input Surge Protection	Line - Neutral 1kV, Line & Neutral - Ground 2kV and 3KV or 6KV Ring Wave			
Protections	Output Open Protection			
	Output Overload Protection			
	Output Short Circuit Protection			
	Output Temperature Protection			
Emergency Mode	90 Minutes Min			
RFI/EMI	FCC Part15A EN55015			
Ambient Operating Temperature Rang	10°C To 55°C (50°F To 131F°) (>7W)			
	0°C To 55°C (32°F To 131F°) (≤7W)			
Sound Rating	Α			
Battery Type	Lithium			
Battery Voltage	11.1V			
Pack Capacity	2400mAh			
Battery Rating	25.92Wh			
Battery Count	3 Cells			
Battery Recharge Time	12 Hours			
Battery Discharge Time	Min 1.5 Hours			
Test Switch Remote Mounting Distance Service Life	20' (6m) Max. 50,000 hours			
Warranty	5 years			
Safety Standard	*			
	EN61347-1, EN61347-2-7, EN62384, EN60598-2-22, EN50172			
	CEC, MSDS, DGM EEE C62.41.2-2002 EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4			
	EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61000-4-29			
	LINE 1000 - 0, LINE 10000, LINE 10000, LINE 100011, LINE 100020			





Mechanical Data

1.18"

	Overall D	Overall Dimensions	
	Length	16.7" (424.2mm)	
	Width	1.18" (30mm)	
	Height	1.0" (25.4mm)	
16.7" (424.2mm) 16.34" (415mm)			
FHSCP-UNV-10P-S-S	SD B	R0.08" (2.1mm)	

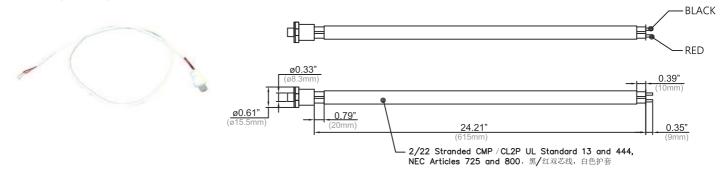




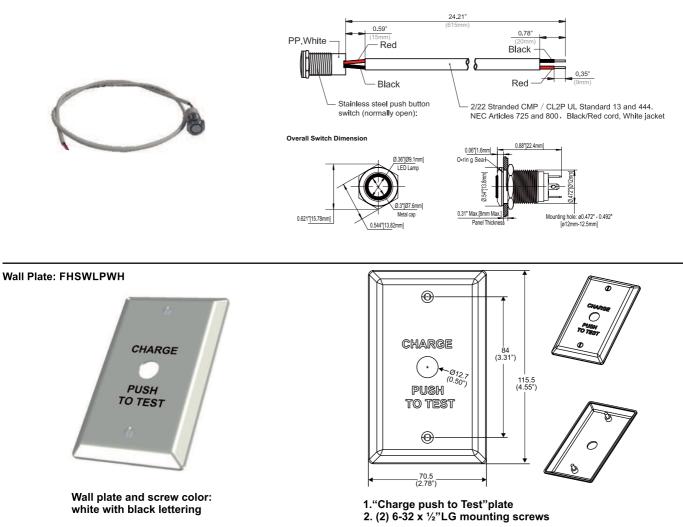


Accessories

Test Switch (Included)



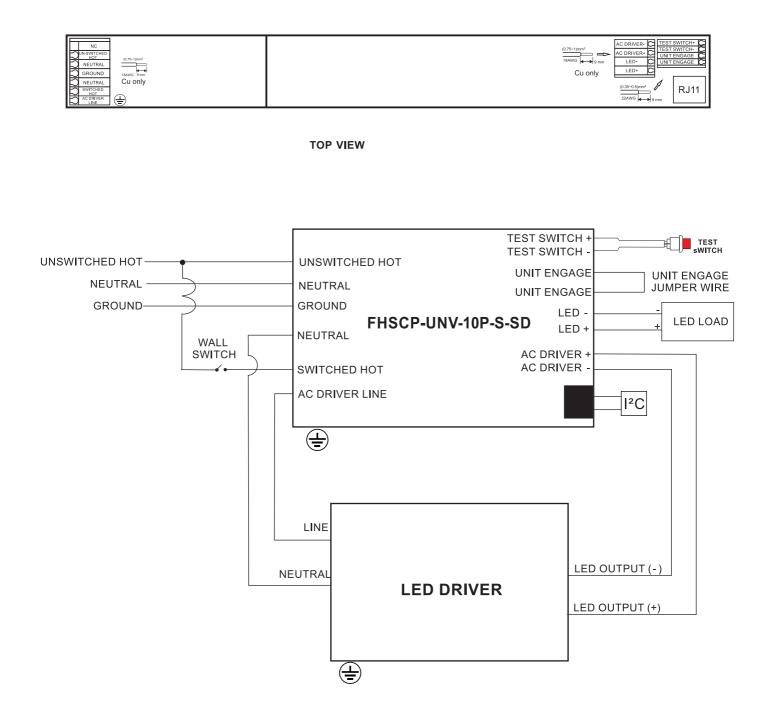
Wet Location Test Switch: FHS-TSTWL-BC (Optional)







Wiring Diagram









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 above 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	on / 1s off Battery NOT detected, check battery switch or connection			
븆 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 10 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.

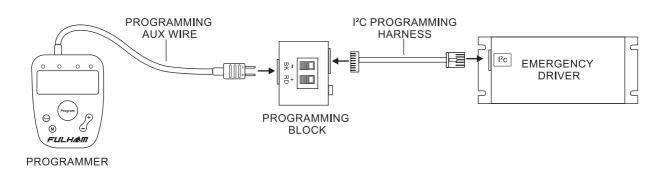




Programming:

The FHSCP-UNV-10P-S-SD is programmed through the l²c port on the emergency driver with the TPSB-100 programmer. Unless otherwise programmed the output will self-program to the maximum rating of the battery. Customer must use the l²c programming harness and programming block that comes with the TPSB-100.

Programming Wire Diagram



Programming Features

- Output EM Power 3W to 10W
- * Enable / Disable Self-Diagnosic



- * For more detailed programming instructions please see our Programming Instructions and Design Guide found on our website:
 - https://www.fulham.com/PDFs/SpecSheets/Fulham-Design-Guide-Programmable-Drivers.pdf





Guidelines

Grounding

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

Over temperature protection

• The Fulham Hotspot Plus LED drivers are protected against thermal overload. If the temperature limit is exceeded, the output current is reduced.

LED load

 Fulham Hotspot Plus 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 20W, the driver needs to be mounted on a heat conductive surface of at least 200cm². 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 recover automatically.

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

Remote Mounting

• Up to 15ft with 18AWG. Contact Fulham for higher remoute distance.

Battery Maintenance

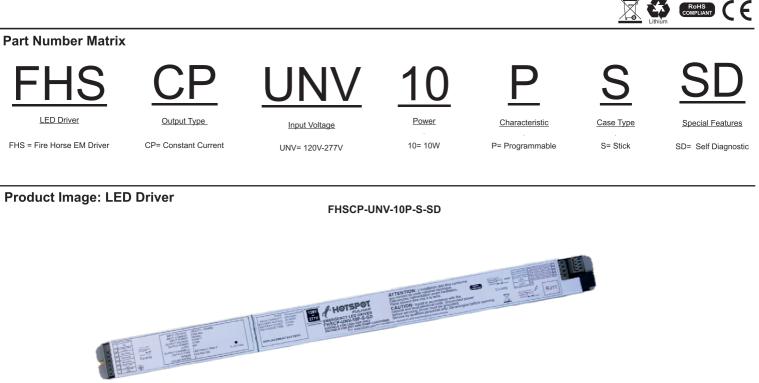
In order to maintain proper operation and warranty coverage, the battery must be recharged once per year prior to installation.

Warranty

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

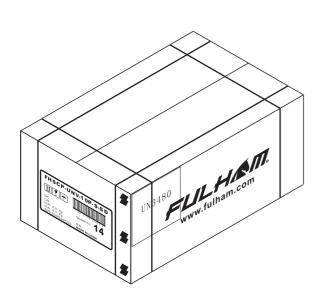






Packaging

Master Carton



OUTER DIMENSION							
L		W		Н			
19.84" (504r	nm)	9.21"(234mm)		8.86" (225mm)			
Net Weight	Gross Weight		QL	JANTITY			
15.21lbs. (6.9kg.)		3.30lbs. 3.3kg)	14pcs.				