FHSCP-UNV-10P-L-SD

SPECIFICATIONS

IP20

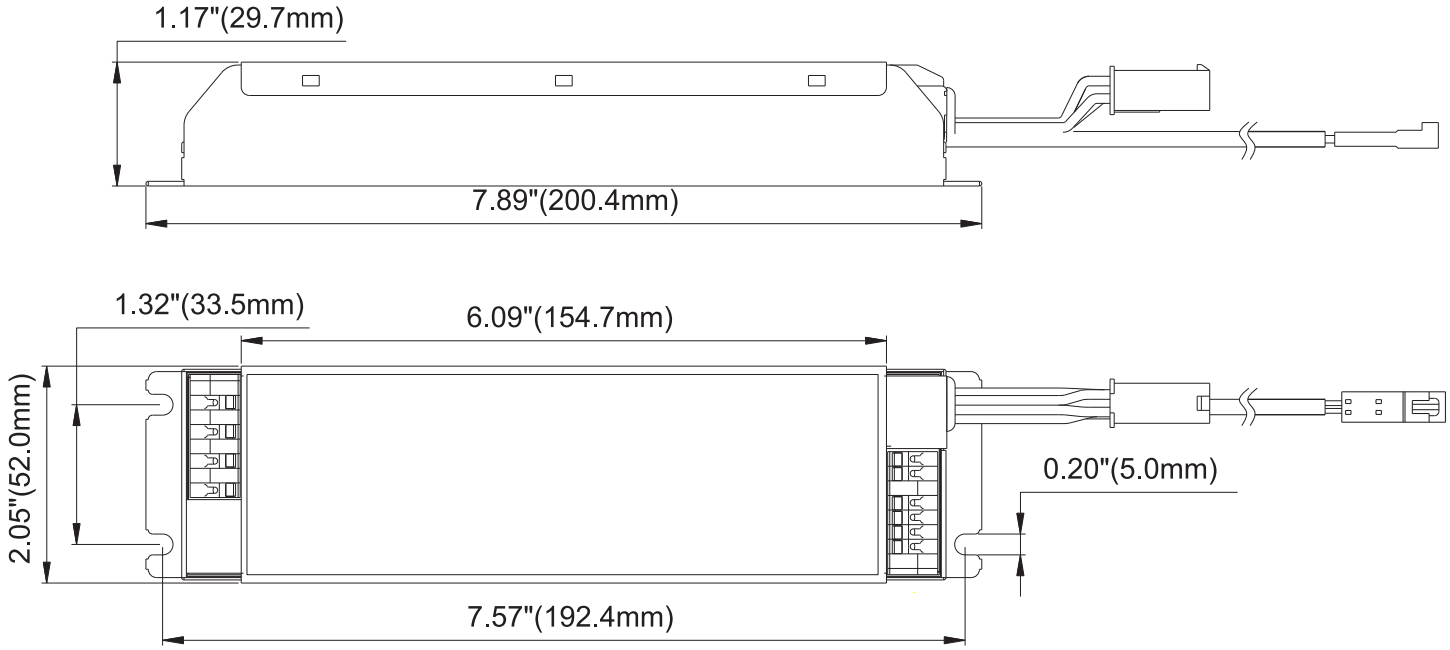
- Emergency LED Driver
- Universal Voltage: 100-277VAC, 50/60Hz
- Output Wattage: 1-10W
- Output Current: 620mA Max.
- Output voltage range of 16-55VDC
- Long Case and Terminal
- IP20

This Driver Will Operate The Following LED Modules: Any LED module designed to accept input voltage range of 16-55VDC and can operate up to current of 620mA.

General Specifications

Input Voltage	100-277VAC, 50/60Hz
Input Current	0.06A Max.
Input Power	6W
Standby Input Power	<0.5W
Driver Type	Constant Power
Output Current	620mA Max.
Output Voltage Range	16-55VDC
Output Power	1-10W (1-10W @ 3000mA Battery, 1-6W @ 1800mA Battery, 1-5W @ 1500mA Battery)
Number of Output Channels	1 Channel
RFI/EMI	FCC Part 15A Non-Consumer
Output Type	Class 2
Battery Type	LiFePO4 9.6VDC
Battery Capacity Available	3000mAh, 1800mAh, 1500mAh
Battery Recharge Time	12 Hours (Refer To Battery chart)
Battery Discharge Time	90 Minutes Min.
Ambient Operating Temperature Range	10°C to 55°C (50°F to 131°F)
Sound Rating	A
Input Surge Protection	Line-Neutral 2kV, Line & Neutral-Ground 2kV
Protections	Over / Under Voltage Protection Output Open Circuit Protection Overload Protection
Service Life	50,000 hours
Approvals / Class	RoHS, IP20, CEC Title 20 UL LISTED

Mechanical Data



Tolerance=±0.02"

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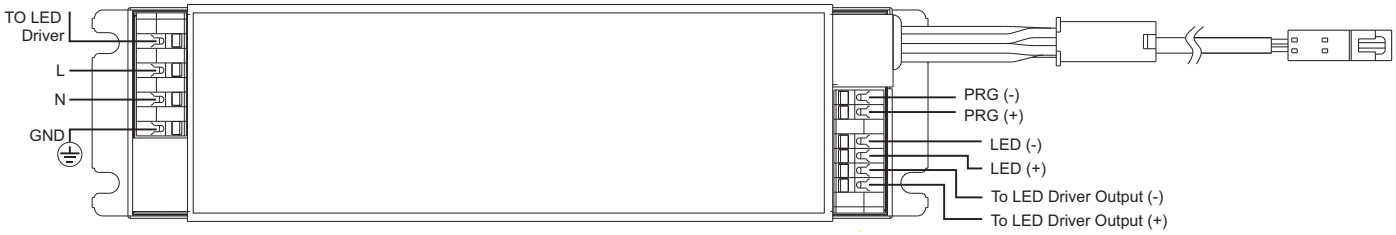
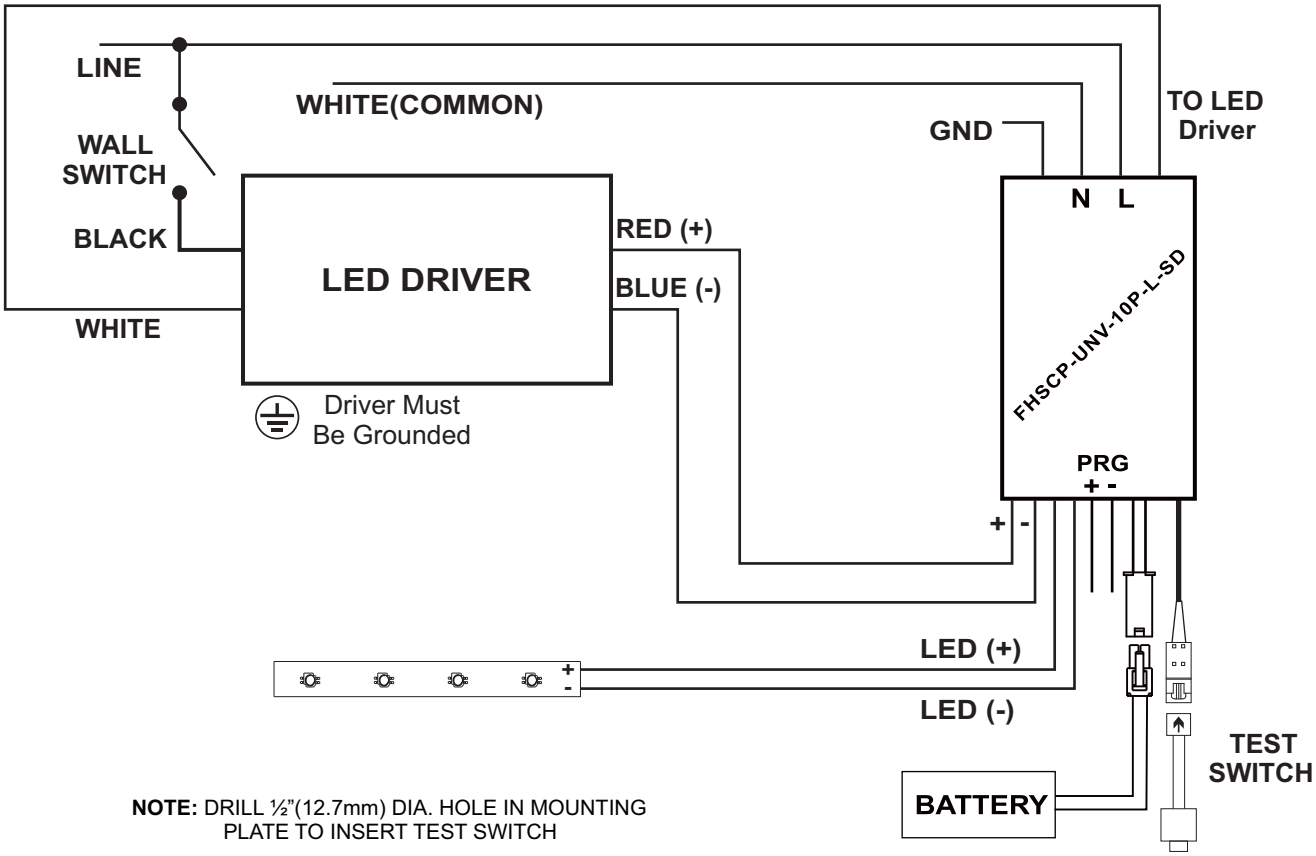
Wiring Diagrams 1





NOTE: DRILL ½"(12.7mm) DIA. HOLE IN MOUNTING PLATE TO INSERT TEST SWITCH

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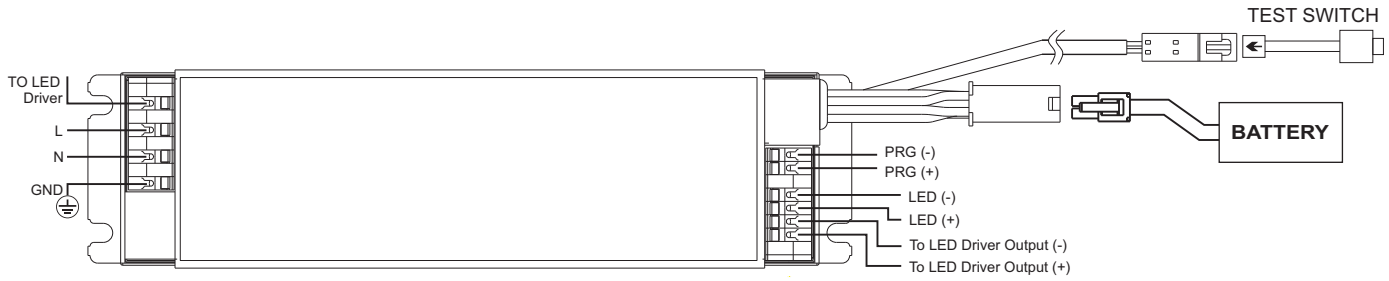
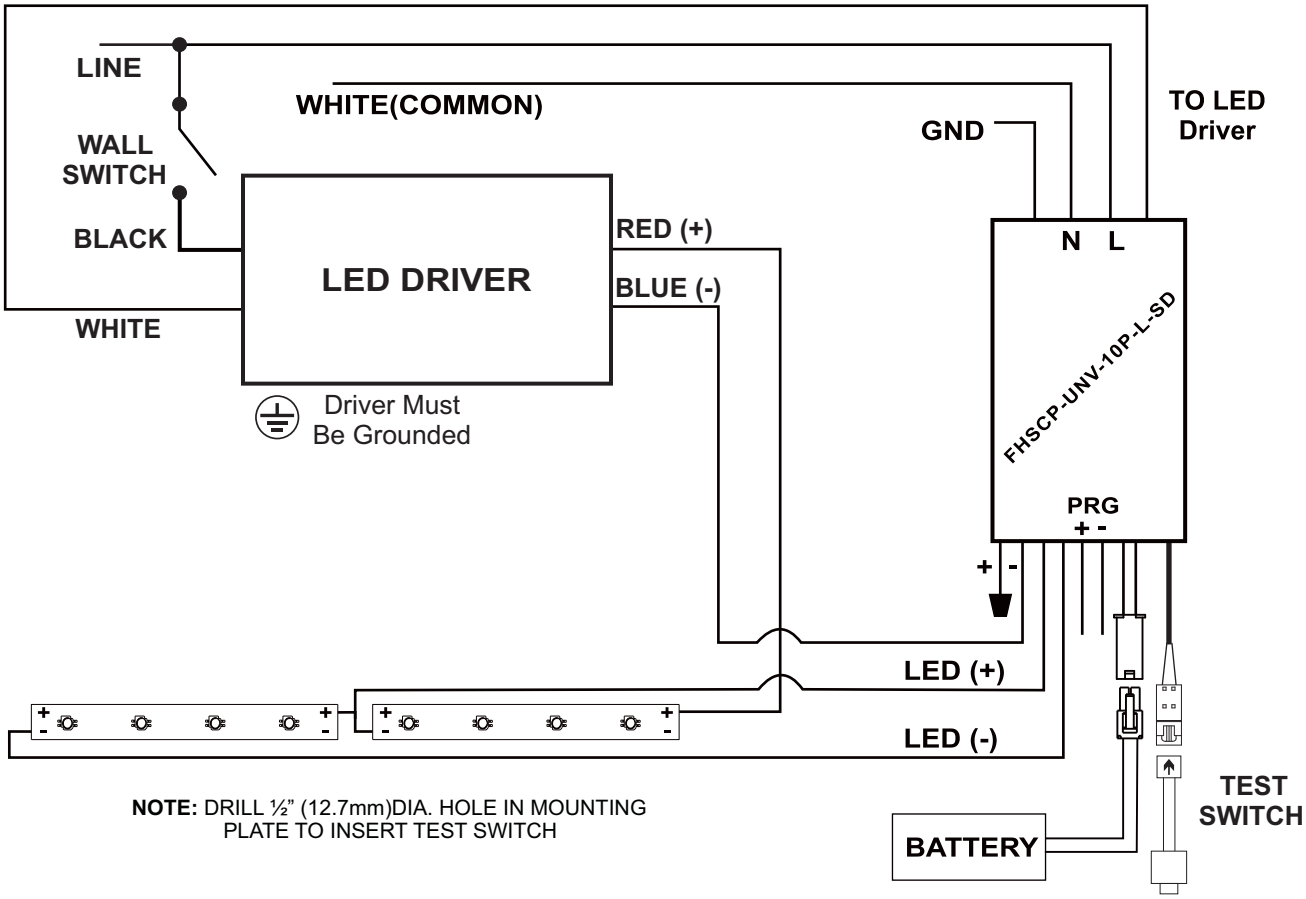
Wiring Diagrams 2





NOTE: DRILL ½" (12.7mm)DIA. HOLE IN MOUNTING PLATE TO INSERT TEST SWITCH

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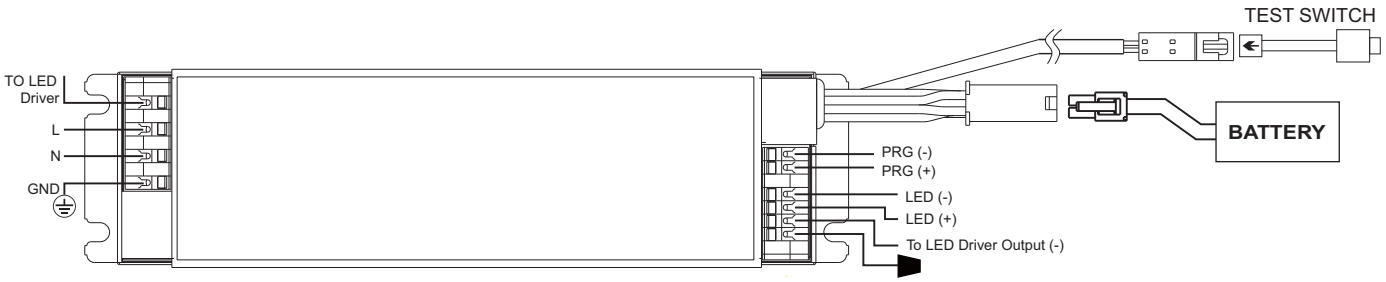
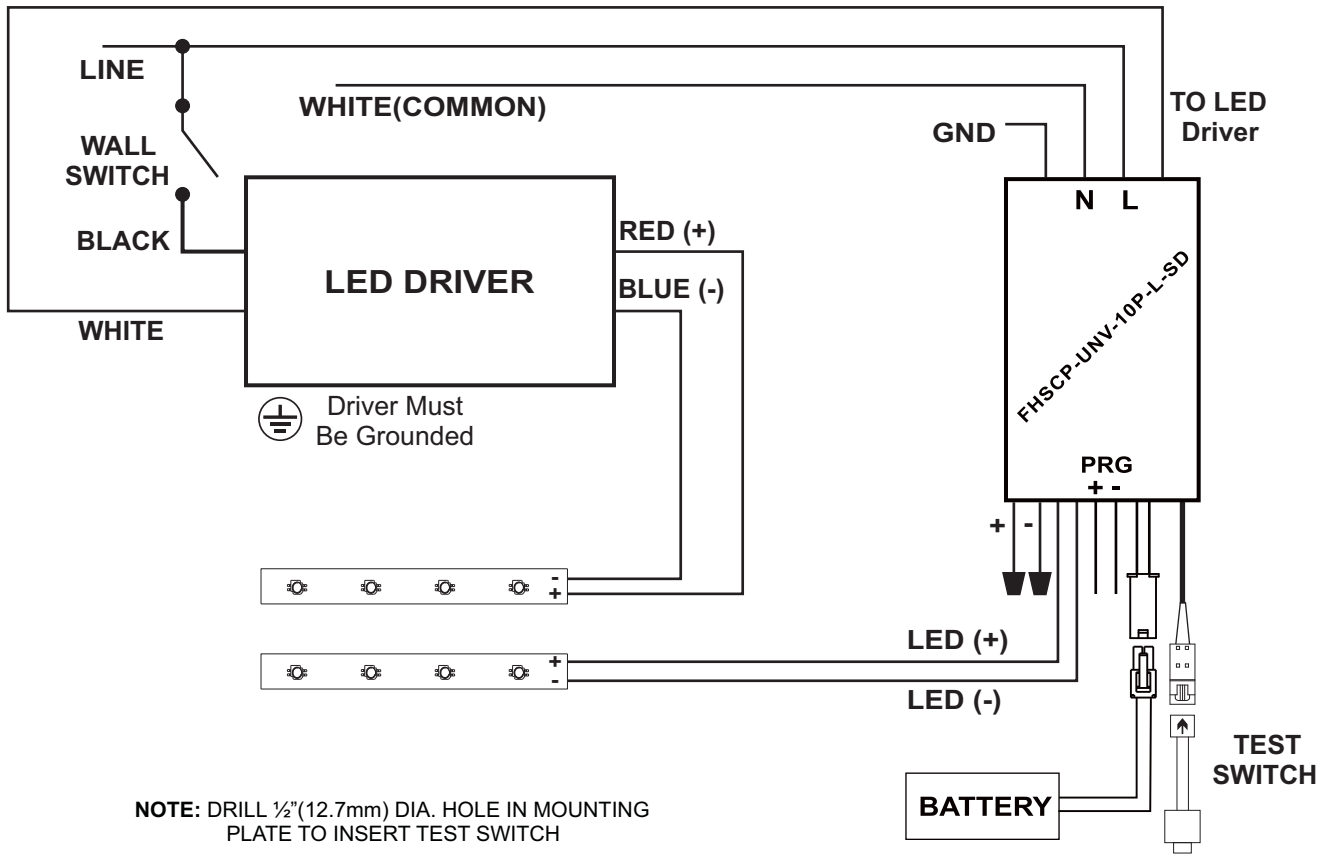
Wiring Diagrams 3





NOTE: DRILL ½"(12.7mm) DIA. HOLE IN MOUNTING PLATE TO INSERT TEST SWITCH

Battery Chart

Fulham Model No.	Chemistry	Compliant	Pack Capacity	Max Load for 90 min.	Battery Voltage	Recharge Time
FHSBATL3-1.5-SD	LiFePO4	RoHS	1500mAh	5W	9.6V	12Hrs
FHSBATL3-3-SD	LiFePO4	RoHS	3000mAh	10W	9.6V	12Hrs
FHSBATL9-.6-SD	LiFePO4	RoHS	1800mAh	6W	9.6V	12Hrs
FHSBATL6-1.5L-SD*	LiFePO4	RoHS	3000mAh	10W	9.6V	12Hrs

CAUTION: Replace battery only with corresponding part number.

*** Note:** These batteries do not include mounting means, separate mounting brackets are available.

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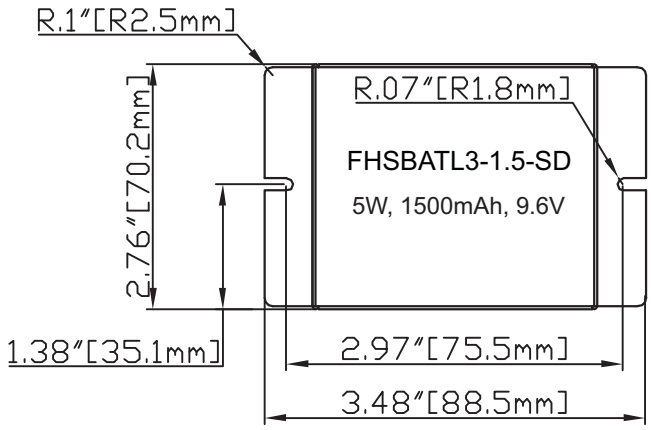
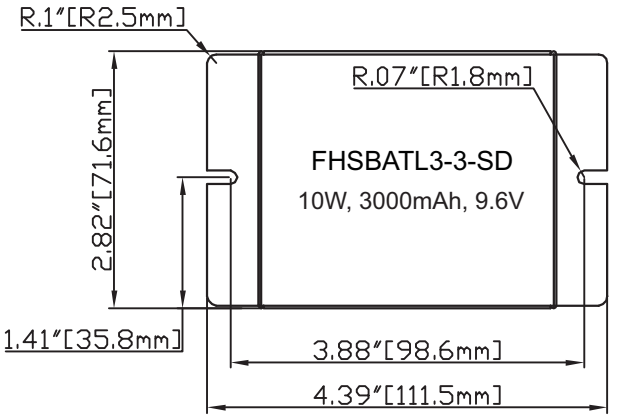
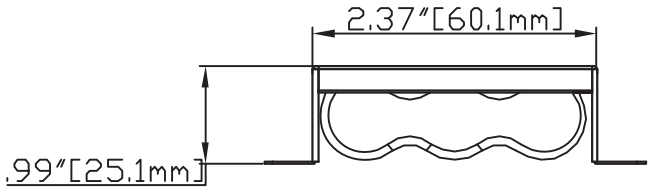
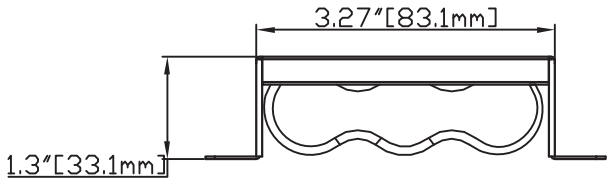
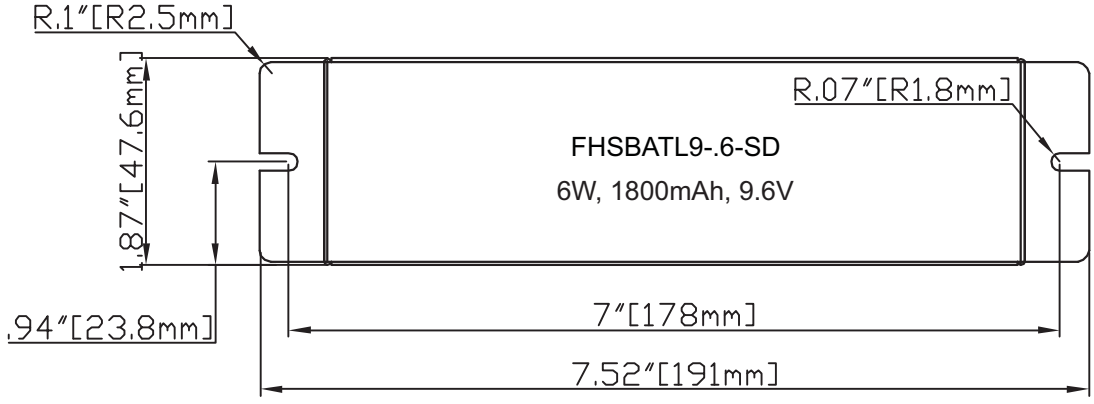
Battery Dimensions











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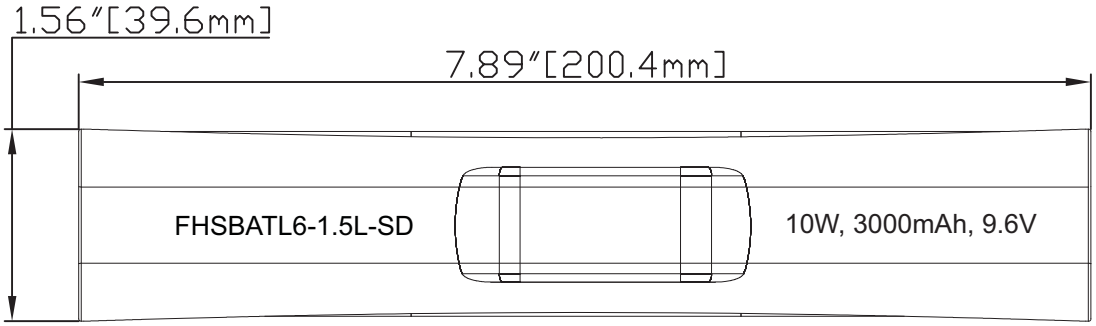
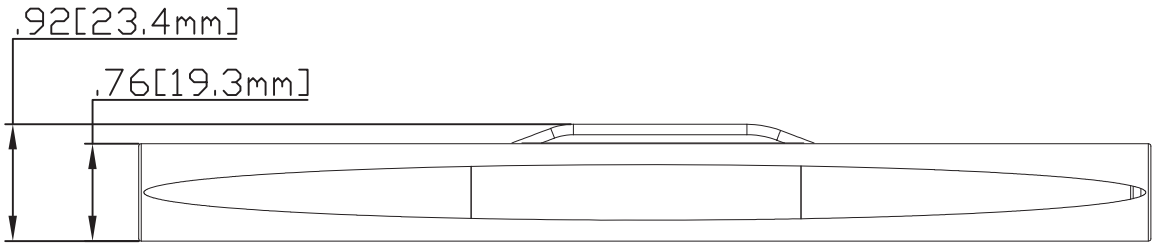
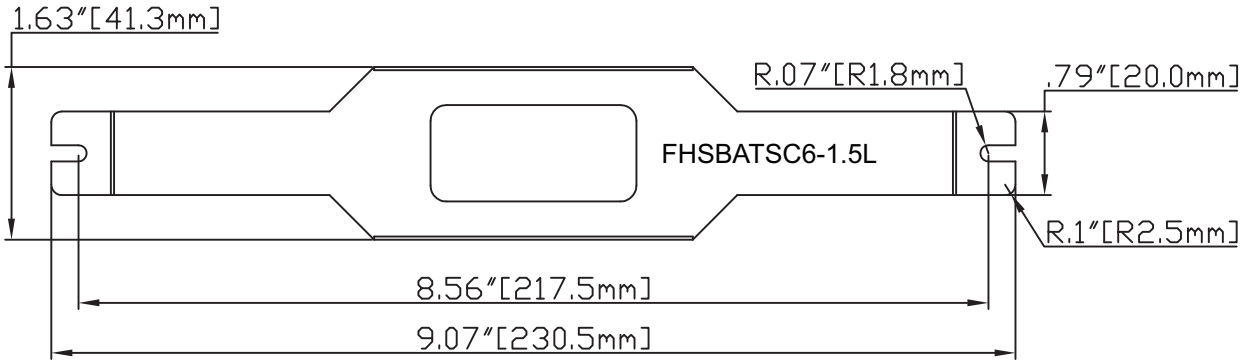
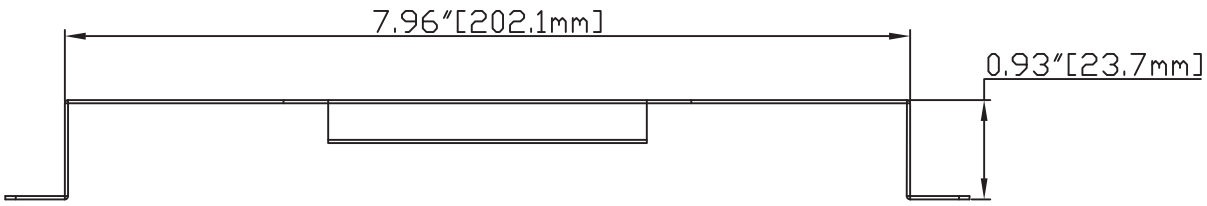




Mounting Bracket Dimensions (Optional)





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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, 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.**

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

TEST SWITCH OPERATIONS:

1. EM Test: Press and hold test button to enter EM mode for testing, in all normal AC powered situations including low power standby modes.
2. Manual Self-Diagnostic: quickly press the test button three times within three seconds to force the controller to enter a Self-Diagnostic cycle. To quit the self-diagnostic cycle after engaged press and hold the test button for five seconds.
3. Enable/Disable Auto Self-Diagnostic: Press and hold the test button for two seconds, then release and quickly press the test button two times, then release and press and hold the test button for two more seconds. When properly executed the indicator on the test button will display the appropriate color for the Enable/Disable status. A solid green light means "Enabled", while a solid red light means "Disabled". Once Enable/Disable is set the status color on the test button will remain the same throughout normal operation (refer to Indicator Status Table).

Programming:
Unless otherwise programmed the output will self-program to the maximum rating of the battery. This driver can be programmed using Fulham SmartSet TPSB-100(E). Programming features include the following:

* Output EM power - 1W to 10W
* Enable / Disable Self-Diagnostic

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