

THE CONDUCTOR

User Manual



English

INTRODUCTION

The Conductor is an all-in-one ground distribution block and ammeter with remote display. It will read up to 999A, enabling the user to monitor charge and discharge levels of their power system.



WARNING

The Conductor is a ground-only device. DO NOT connect positive cables to The Conductor terminals. Sparked Innovations recommends that you have a qualified 12-volt technician or specialist install your Conductor. Any deviation from these installation guidelines could cause damage to oneself, your Conductor, vehicle, or accessories. Damage caused due to improper installation is not covered under warranty. The Conductor is not waterproof; as a result, Sparked Innovations does not recommend underhood or exterior mounting.

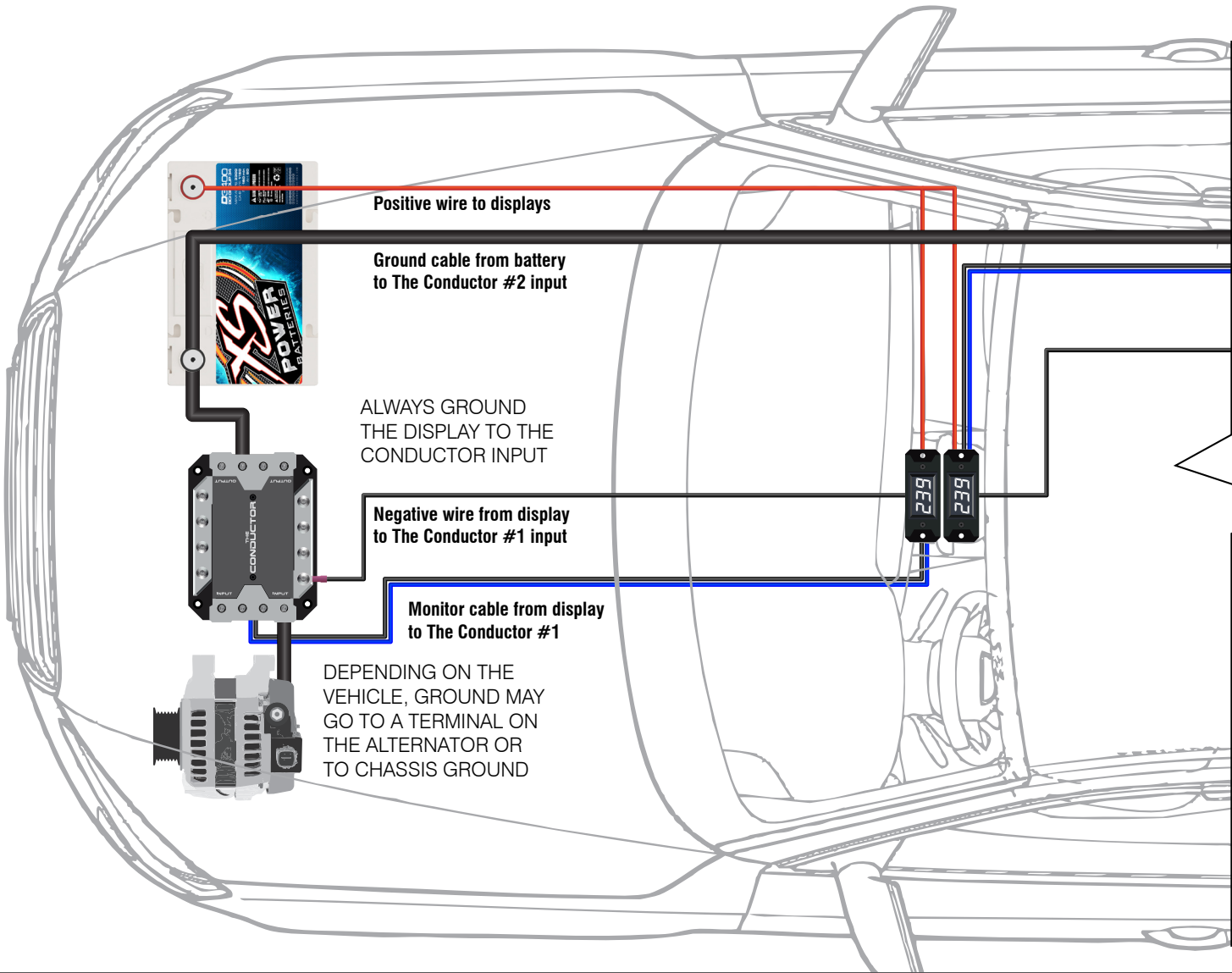
INSTALLATION GUIDE

1. Disconnect the vehicle's negative (-) battery terminal from the negative (-) battery post to reduce the risk of sparks flying
2. Choose a mounting location for your Conductor
3. Check (and double check) what's behind your mounting surface before drilling to avoid screwing into wires or fuel tanks
4. Mount and secure your Conductor housing using four M4 or #8 screws
5. Connect the male pigtail (white connector with blue and black wires) from The Conductor to the supplied 18ft display cable
6. Choose a mounting location for your display (at least 41mm x 92mm in available area)
7. Cut a 35mm x 65mm rectangular hole in the mounting surface to allow clearance for the back of the display and fasteners
8. Drill two holes and secure the display with two screws
9. Run the 18ft display cable to the display and plug it into the larger male header on the back of the display
10. Run a positive (+) power wire from the the vehicle's ignition wire (or other switched positive source) to the display and connect it to the red power wire of the display's power plug
11. Run the black negative (-) wire from the display's power plug to the input side of The Conductor

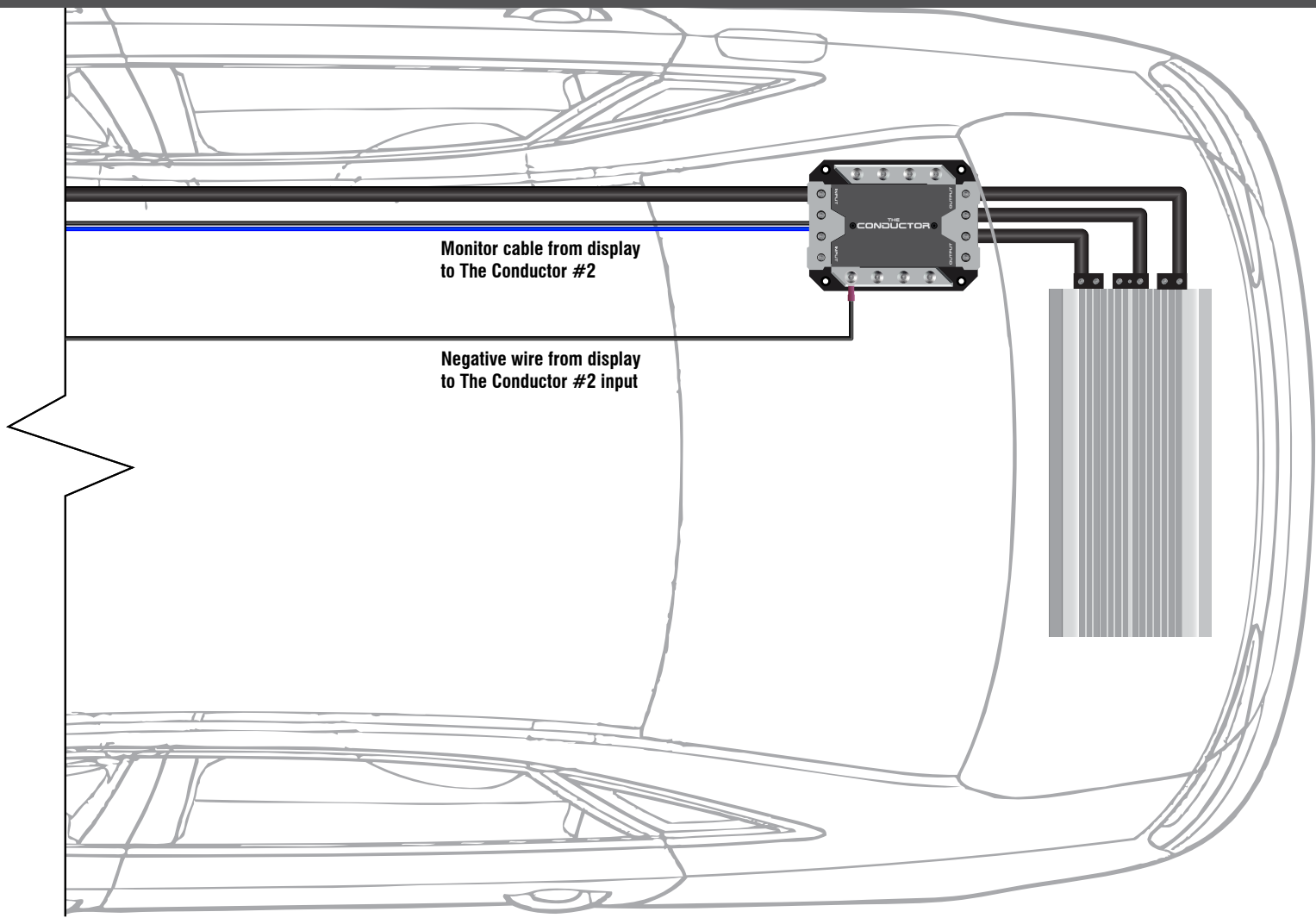
THE NEGATIVE WIRE FOR THE DISPLAY MUST BE RUN TO THE INPUT TERMINAL OF THE CONDUCTOR

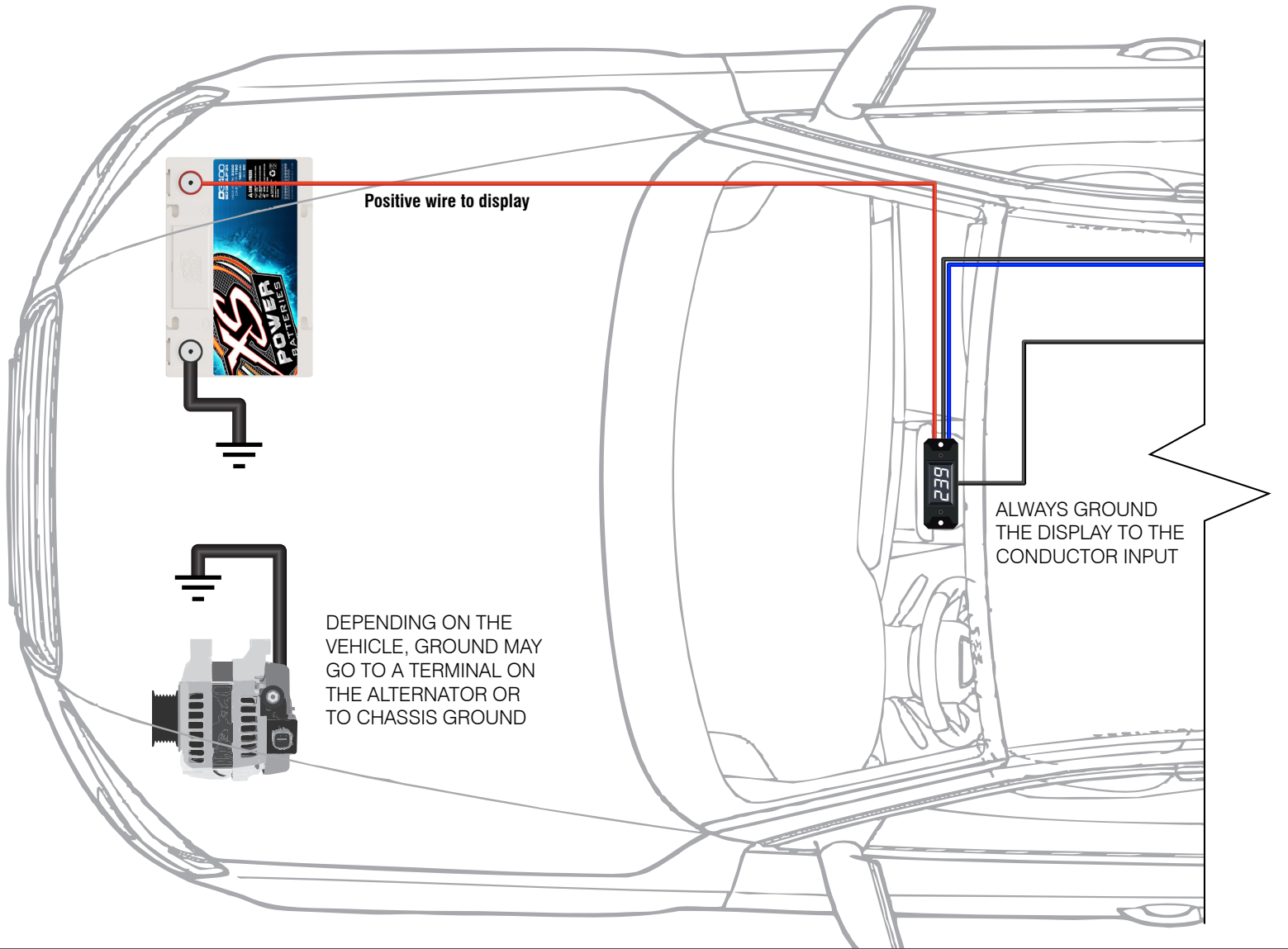
12. Plug the display's power plug into the smaller male header on the back of the display
13. To measure charge rate, connect ground wires from the alternator(s) to The Conductor's input terminals using a lug or bare cable with set screw (provided) and connect ground wires from The Conductor's output terminals to the negative (-) terminal(s) of the battery(ies)
14. To measure discharge rate, connect ground wires from the negative (-) terminal(s) of the battery(ies) to The Conductor's input terminals using a lug or bare cable with set screw (provided) and connect ground wires from The Conductor's output terminals to the negative terminal(s) of the amplifier(s)

[Optional] If only measuring discharge (i.e. The Conductor is placed inline AFTER the battery(ies)), it's ok to monitor wires coming from a chassis ground instead of connected directly to the terminal(s) of the battery(ies)

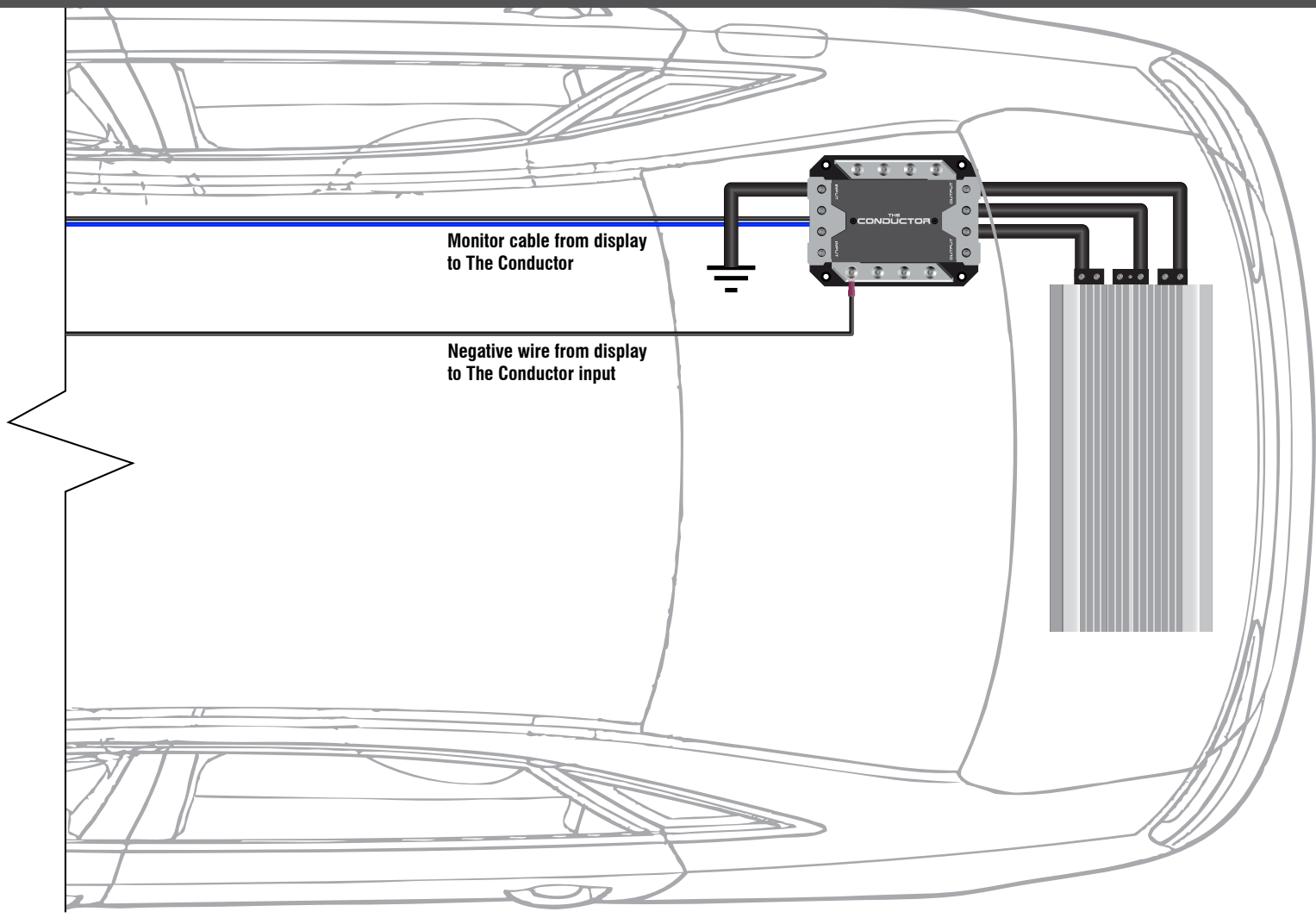


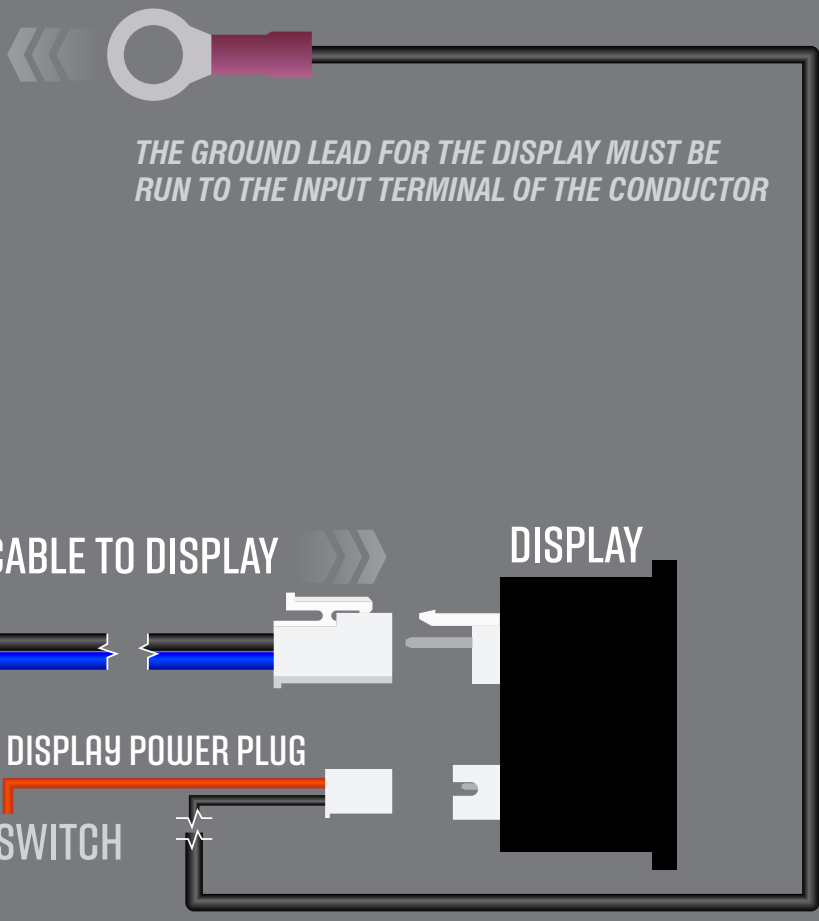
TO MEASURE CHARGE RATE





TO MEASURE DISCHARGE RATE





1-Year Limited Warranty

Sparked Innovations warrants this product to be free from defects in material or workmanship for one (1) year following the date of purchase. This limited warranty does not cover failures due to abuse, accidental damage, or when repairs have been made or attempted by anyone other than Sparked Innovations. A defective product meeting the warranty conditions set forth herein will be replaced or repaired at the discretion of Sparked Innovations.

Warranty service can be obtained in two (2) ways. Firstly, the item can be returned to the dealer from which it was originally purchased, within their designated time period as stated in their return policies, for either replacement or repair service. Secondly, the item can be shipped to Sparked Innovations under warranty claim once a return authorization is granted. To obtain a return authorization, simply email Sparked Innovations at support@sparkedinnovations.com for warranty service.

This warranty does not apply to accessories. This product is not intended for commercial use, and accordingly, such commercial use of this product will void this warranty. All other guarantees, expressed or implied, are hereby disclaimed.



151 Discovery Drive, STE 115, Colmar, PA 18915

Tel.: (833) 355-5554 • Email: support@sparkedinnovations.com

<https://sparkedinnovations.com>