

Waterproof Power Distribution Block/Busbar

Manual ID: PIM-00000175-V002

IMPORTANT: READ CAREFULLY BEFORE ASSEMBLY AND USE.

• Installer of this product must have a good understanding of automotive electronics, systems, and procedures.

• If mounting this product requires drilling holes, the installer **MUST** be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.

Installation:

CAUTION! Permanent mounting of this product will require drilling. It is absolutely necessary to make sure that no other vehicle components could be damaged by this process. Check both sides of the mounting surface before starting. If damage is likely, select a different mounting location.

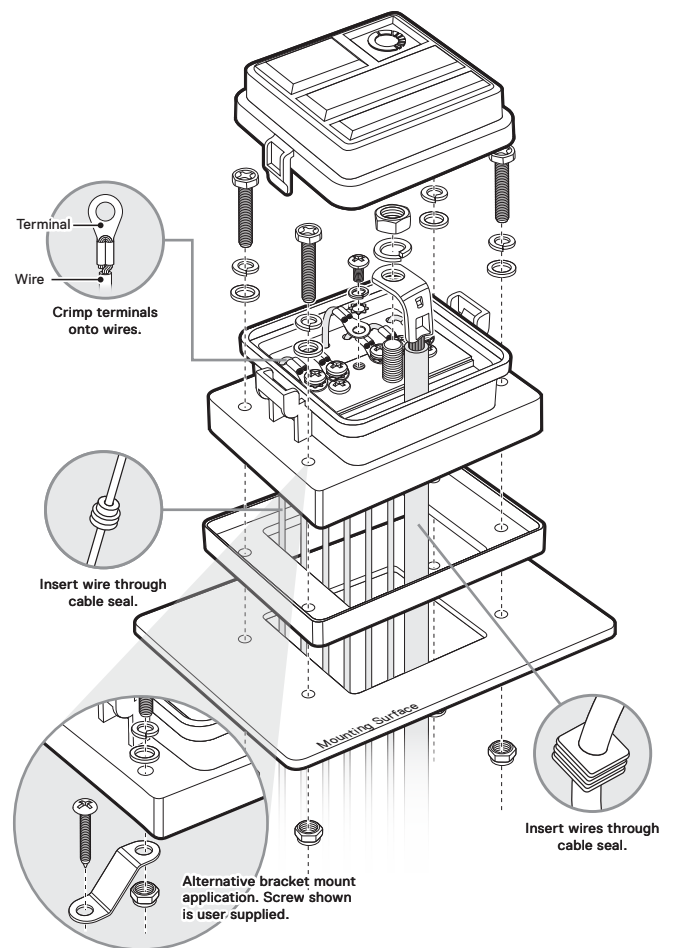
- Determine whether the distribution block is to be surface mounted or mounted with the included brackets.
- Place the distribution block with or without the brackets against the desired mounting surface.
NOTE: The mounting location should be in close proximity to the power or ground source for the included 4 AWG wire to be properly routed and connected. The wire should be shortened to the optimal length to minimize slack.
- Mark the area where the mounting holes for the fasteners and area for wire passage (if applicable) are to be drilled. Confirm no vehicle parts could be damaged by the drilling process.
- Using a drill bit of appropriate size, drill the holes for the fasteners and wires. Thoroughly de-burr all holes.
- Prepare to connect the wires to the accessories and the input power or ground to the distribution block by removing all associated fuses and disconnecting the battery.
- Feed the included 4 AWG wire with the angled ring terminal through the top of the power distribution block then through the cable seal.
- Secure the angled ring terminal onto the busbar using the included fastener.
- Determine if the included 4 AWG ring terminal will be used. Crimp with appropriate crimper if so.
NOTE: Although not a must, adding a fuse and a circuit breaker between the power distribution block and the positive battery stud is a good safety precaution.
- Feed the wire to be connected to the accessory through the cable seal then through the bottom of the power distribution block.
- Proceed with crimping the appropriate ring terminal to the wire.
- Secure the ring terminal onto the busbar using the included fastener.
- Repeat for the remaining wires to be connected to the accessories.
- Press and secure all cable seals into the cavities on the bottom of the housing.
- Secure the connection providing power or ground to the 4 AWG wire.
- Proceed with mounting the distribution block onto the desired surface using the method of choice.
- Reconnect the battery if it was previously disconnected.

17. Reinstall the associated fuses one at a time followed by testing the functionality of the circuit.

18. Repeat for any remaining fuses and circuits.

19. Install cover onto the power distribution block.

Installation Diagram:



Specifications:

Input Voltage: 48V DC Max
 Input Current: 150A @32V DC Max