



User Manual

DC to DC Step Up Voltage Converter Module

AA-0237

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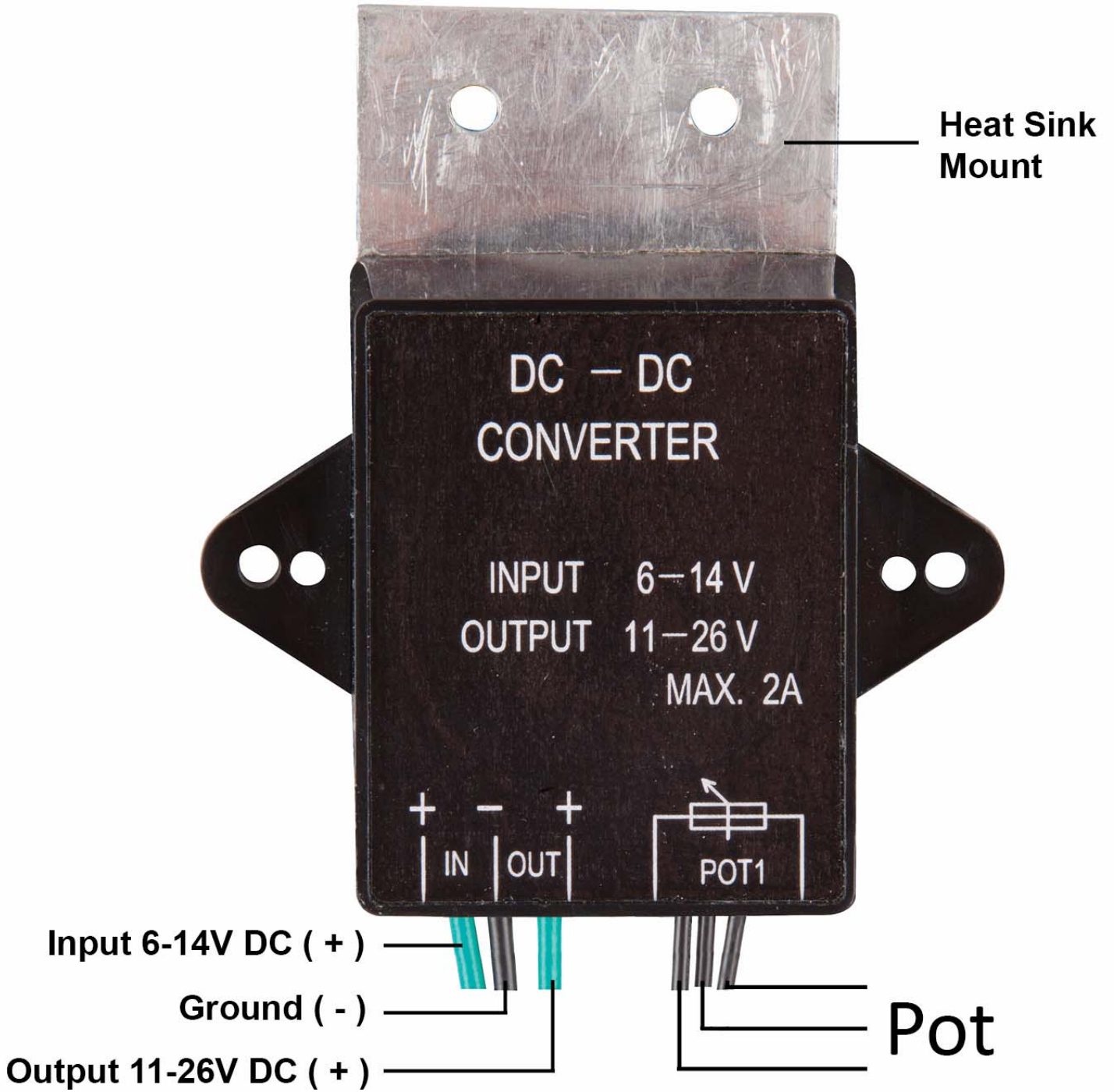
Technical Specifications:

- Input voltage: 6-14V DC
- Output voltage: 11-26V DC
- Max output current: 2A
- Dimensions: 70(L) x 60(W) x 23(D) mm

Notes:

- The module is only to be used for increasing voltage from 6-14V to a higher voltage. It cannot be used to reduce a higher voltage into a lower voltage.
 - *The module has been designed for DC voltage, not for alternating voltage. False connections, short circuits, exceeding input voltage, or insufficient cooling will harm the module and void the warranty.*
- Output Voltage decreases whenever there is a higher load.
- With an additional potentiometer of 4.7K linear output voltage can be limited towards higher rates at input voltages of over 10V.
- Never get the module wet.
- Never attempt to open, modify or repair any part of the module.

Installation Diagram:



Instructions:

- Connect the module according to the diagram.
- Depending on the load, the module may heat up. Ensure not to wrap in heat-insulating materials, e.g. clothing etc.
- The module should be mounted at a well ventilated spot.
- The heat sink mount of the module is connected electrically to the negative lead of the module. Ensure that the heat sink mount does not come in contact with any positive terminals, as this will cause a short circuit.
- A ribbed heat sink with a dimension of approx. 40 x 100 x 100mm or similar is recommended.
- The heat sink mount of the module should not heat up to more than 50°C during operation. If the mount gets hotter than this, either the heat sink is too small or the heat contact between the mount and the heat sink is insufficient (that is, the mount does not lie flat on it).
- A fuse of about 5A should be connected to the input terminal of the module.
- The 4.7K linear potentiometer should only be connected if the output voltage is not at the volt required. In that case, a voltmeter should be connected at the output of the module and regulate the potentiometer till the desired output voltage is indicated.
- If the module gets too hot during use, it will switch off automatically and switch on again after it has cooled down.