



User Manual

# DC to DC Step Down Voltage Converter Module

AA-0236

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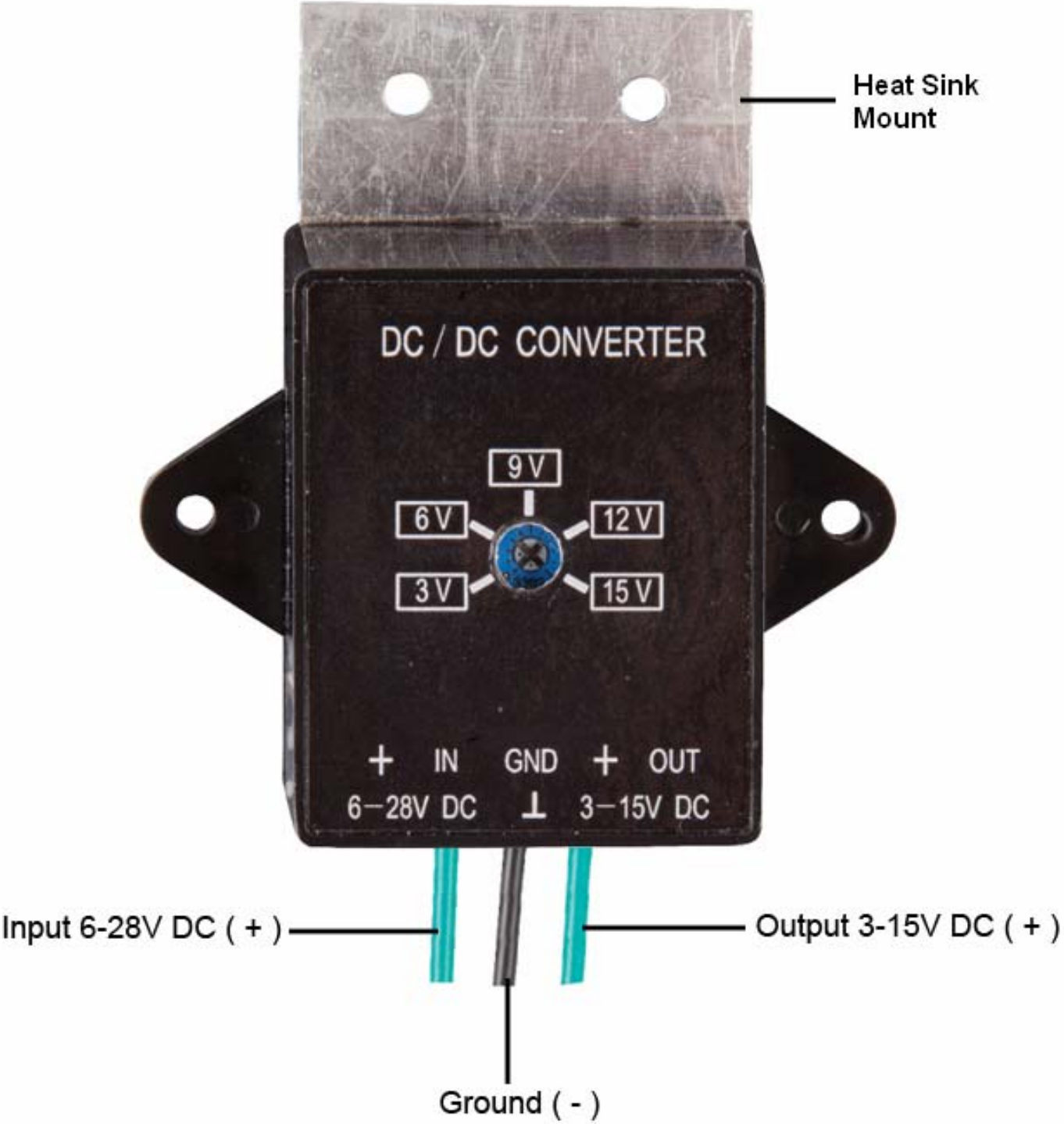
## Technical Specifications:

- Input voltage: 6-28V DC
- Output voltage: 3-15V DC
- Max output current: 1.5A
- Dimensions: 60(L) x 45(W) x 20(D)mm

## Notes:

- The input voltage must be at least 3V higher than the adjusted output voltage.
- Maximum dissipation (output voltage × output current): approx. 3W without heat sink, approx. 10W with a ribbed heat sink with a dimension of approx. 60 × 60 × 20 mm or similar is recommended.
  - For example: Maximum dissipation 3W = Output Voltage 3V x Output.
- 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. In case of dissipation of less than 3W a well ventilated mounting should be sufficient. Ensure not to wrap in heat-insulating materials, e.g. clothing etc.
- In case of loads of 3-10W, a ribbed heat sink is required. With a dimension of approx. 60 x 60 x 20 mm or similar is recommended.
- The heat sink mount of the module should not heat up to more than 40°C during operation (it should still be able to be touched without burning yourself). 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).
- If the module gets too hot during use, it will switch off automatically and switch on again after it has cooled down.