

# Operation Instructions

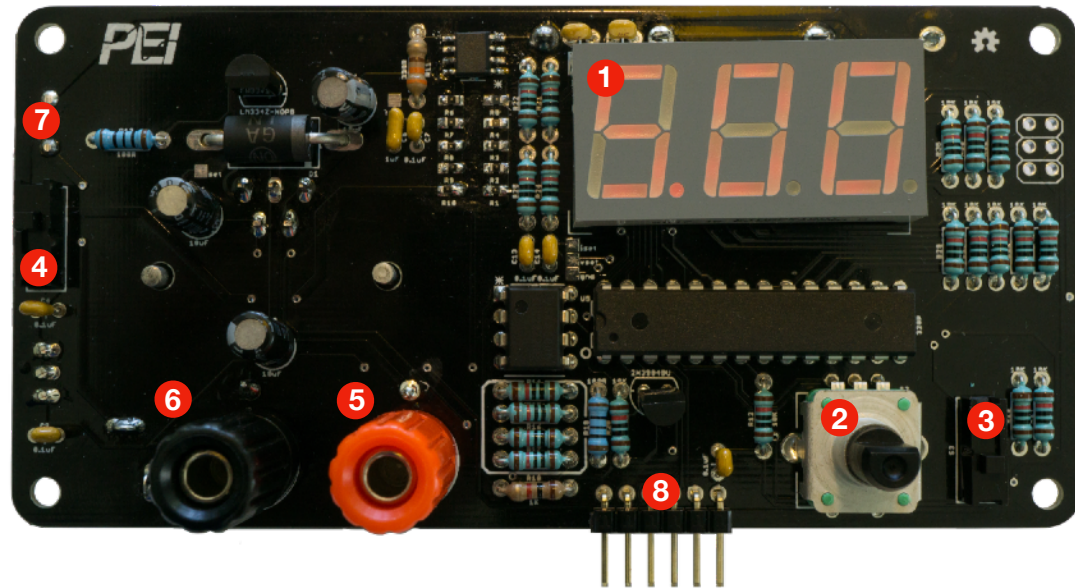
To switch between modes, press down on the adjustment encoder.

## Voltage Set Mode

Voltage set mode allows the user to set the desired output voltage of the device. When voltage set mode is enabled, a set voltage will be displayed on the 7 segment display. Voltage set mode is enabled by default when the device is powered on.

## Current Limit Mode

In current limiting mode, the user can set the maximum amount of current that the supply will provide. The display is read in Milliamps, from 0 to 999.



- 1 7 segment display**  
The 7 segment display shows the Voltage or Current set point depending on the mode.
- 2 Rotary encoder**  
The rotary encoder can be rotated to adjust the set point depending on mode. It can also be pressed to change modes.
- 3 Load switch**  
When the switch is ON, power will be supplied to the output terminals. When in the OFF position, settings can be adjusted, but no power will be supplied to the output.
- 4 Power switch**  
Powers on and off the device
- 5 Positive output terminal**
- 6 Negative output terminal**
- 7 Source switch**  
When this switch is set to Batt, the supply is powered by two 9v batteries. When set to AC, the power supply is powered by the input barrel jack.
- 8 Serial port**  
Use this to reprogram the Atmega 328. Caution: only attempt programming when the device is powered off.