

AVAIR

AV-800DP SERIES FULL DIGITAL SWITCHING POWER SUPPLY

INSTRUCTION

AV-800DP series is lightweight, high performance, high efficiency, durable, switching Power supply and with highly visible back light, easy to read digital meters .

Specification

Input voltage: AC 90~125 or AC 200~240 inside selectable
 Output voltage : DC 0.5V~16V(AV-815DP/AV-825DP/AV-830DP)
 DC 0.5V~25V(AV-815DPZ/AV-825DPZ/AV-830DPZ)
 Output voltage increment: 0.008V/STEP
 Lcd for voltage resolution : 0.01V
 Lcd for ampere resolution : 0.01A
 Output voltage regulation : less than 1%
 Ripple: less than 9mVp-p at rated load
 Protection:

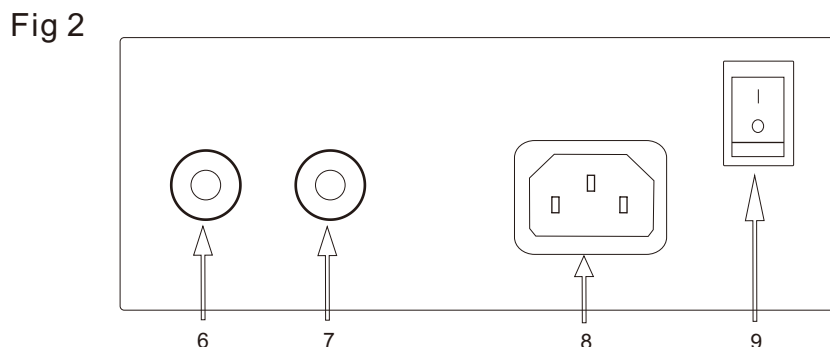
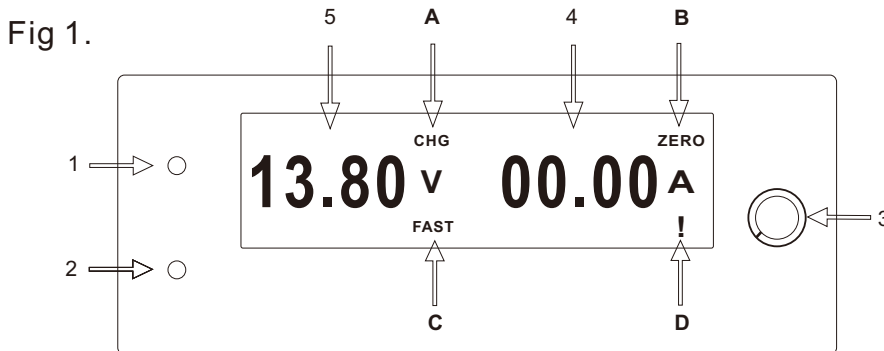
- 1 short protection: it will reduce the output voltage down to 0.1v Amps down to 0.4Amps and the warning led will light up when short condition remove it will automatic restart the power supply to normal condition.
- 2 overload protection: same as above
- 3 over voltage protection(if over Dc16V):same as above
- 4 over temperature protection: AV-800DP series has two stage over temperature protection function see attached Fig5.

Output current

AV-815DP :Max 15 Amps continuous 13 Amps	AV-815DPZ :Max 10 Amps continuous 8 Amps
AV-825DP:Max 25 Amps continuous 22 Amps	AV-825DPZ:Max 14 Amps continuous 12 Amps
AV-830DP:Max 30 Amps continuous 25 Amps	AV-830DPZ:Max 17Amps continuous 15 Amps

Dimension :165(D)X147(W)55(H)mm
 Weight : AV-815DP/AV-815DPZ 1.0Kg , AV-825DP/AV-825DPZ 1.2Kg ,AV-830DP/AV-830DPZ 1.3Kg

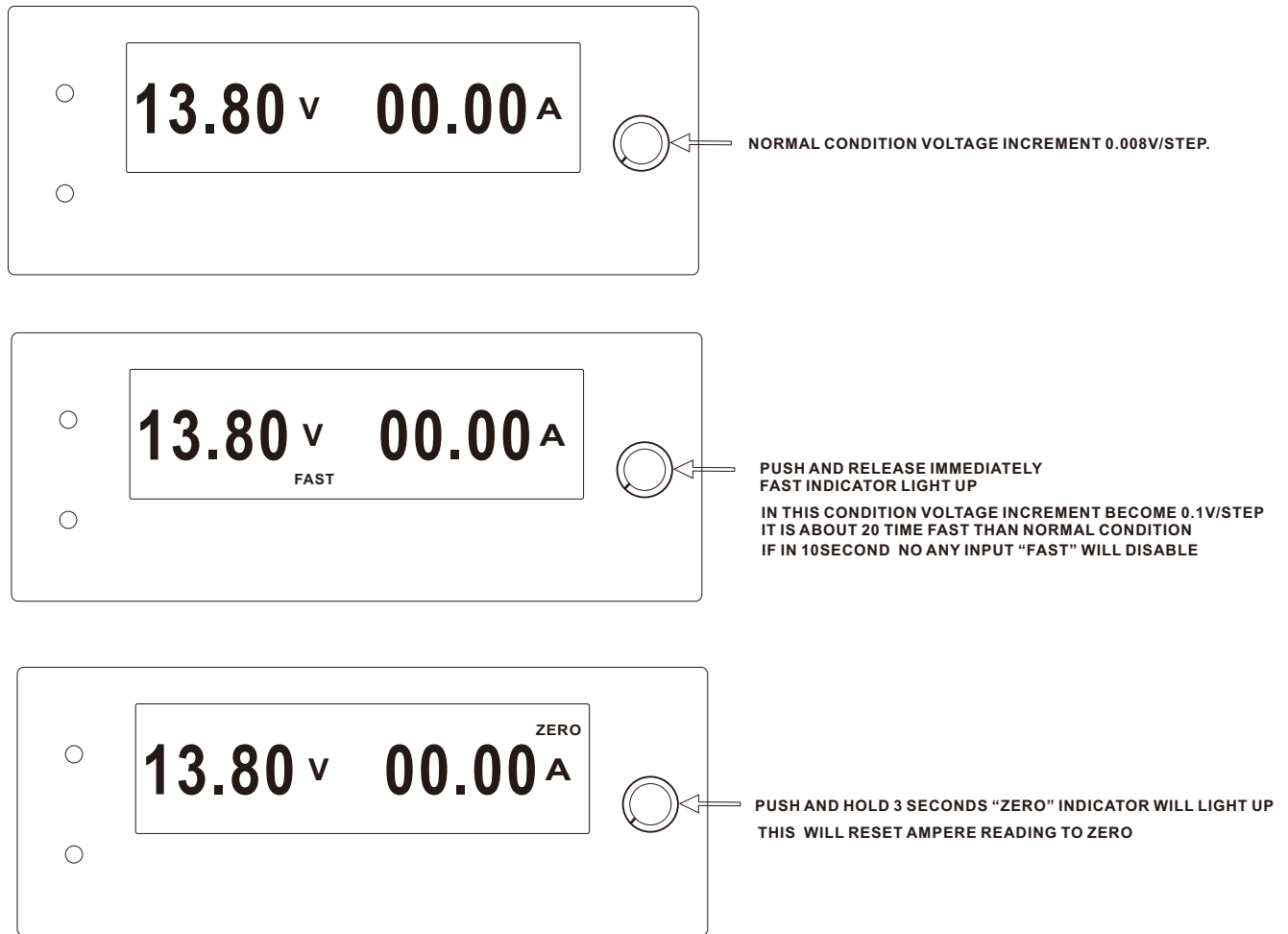
Function Description



- 1 Power indicator : Light up when the unit turn on.
 - 2 Warning indicator: Light up when output terminal short or over load, over voltage(preset 16Dcv), component over hot.
 - 3 Multifunction Voltage adjust knob:
 - a: Turn clockwise increment 0.008V/STEP
 - b: Push "FAST" indicator light up Turn clockwise increment 0.100V/STEP
 - c: Click 4 time in 4 seconds LCD "ZERO" indicator light up it will zero ampere reading
 - d: Push and hold 5 second "V" indicator will flash this will active output voltage control lock or unlock
 - 4 Amps indicator meter: Display the output current when connect any device.
 - 5 Voltage indicator meter: Display the output voltage.
 - 6 Output terminal: Negative polar of Dc output
 - 7 Output terminal: Positive polar of Dc output
 - 8 Ac input socket: Ac 90v~120v or Ac 200v~240v
 - 9 Power switch: Turn the unit on or off
- A Charge model indicator (Only the model has this function will display)
 B Rest ampere reading to zero indicator
 C Output Voltage control 20 time fast indicator
 D Warning indicator

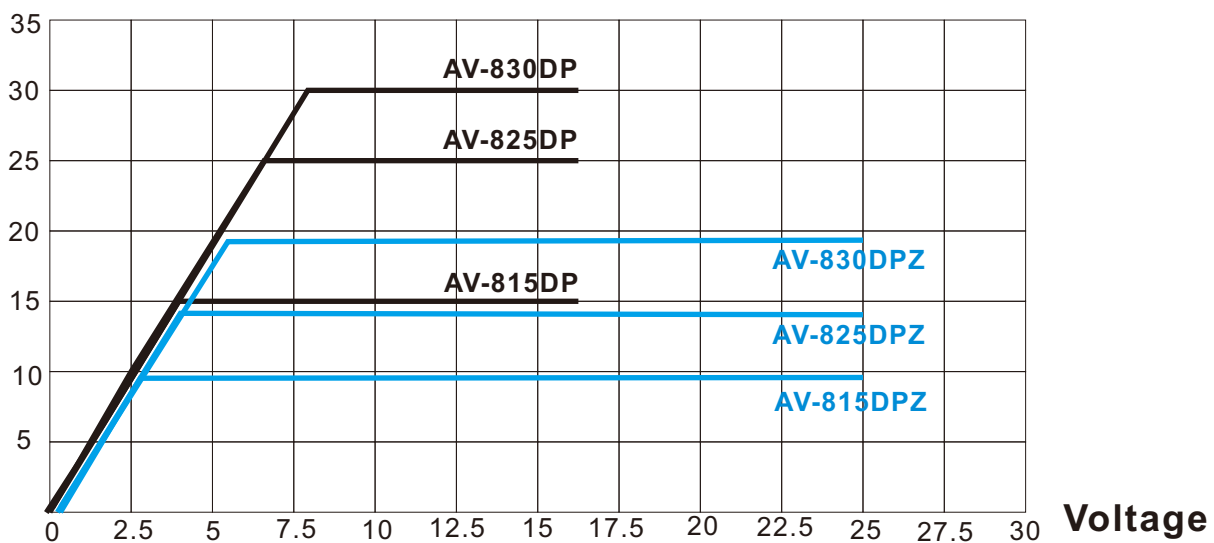
Caution

- 1 This power supply is natively ground, always use the AC outlet with ground terminal.
- 2 Before replacing a fuse make sure you have unplug the Ac plug and never use unproperly fuse value.
- 3 Do not block the air convention slits to keep the efficient heat radiation.



Ampere

Voltage VS output Ampere



Remark : All model 1V~6V maximum ampere limit at 16A