

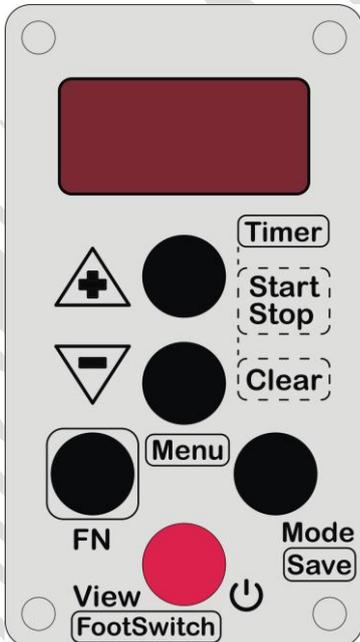
VENOM

PS-1



Professional Tattoo Power Supply

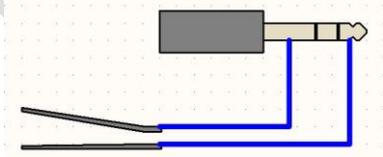
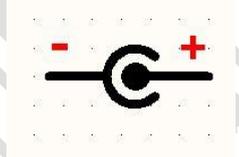
Device control



- To turn on or shut down the device press and hold  button more than 3 seconds.
- **Factory Menu Options:** After switch on, device displays “PS-1” picture. Press and hold buttons **UP+DOWN** (while picture are displayed) to clear all memory records or button **DOWN** to change sound options and **MENU SCROLL** speed (there are 4 sound options, change them by clicking **UP** or **DOWN** buttons and apply with  button or press **Mode** button to enter to **MENU SCROLL** speed options).
- After start, device loads memory record which was active before the device was turned off.
- **Mode** - switching between memory records.
- **FN+Mode** - saves parameters in current memory record.
- **FN+FootSwitch** - changes footswitch mode:
 - “*trig*” trigger mode (maintained).
 - “*Stat*” static mode (momentary).

No footswitch mode: to use this mode, You don't need any footswitch. Firstly, choose “*trig*” trigger mode. Hold **FN** button for 3 seconds, tattoo machine starts working, to turn it off, just do the same, hold **FN** button for 3 seconds.
- **FN+Menu** changes tattoo machine type:
 - “*Std.*” standart coil machine.
 - “*U.*” - voltage.
 - “*F.*” - machine speed (Hz).
 - “*d.*” - duty cycle, displays percents (shows how long contact is closed in comparison with open contact, during one armature bar hit / Hz).
 - “*FT.*” displays average number of contact miss in each working cycle.
 - “*rot.*” rotary machine.
 - “*U.*” - voltage.

When pressing the footswitch, voltage applies with smooth increase to avoid current throw, which reduces machine live.
- **View** - selects displayed parameters (*U/F/d/FT*).
- **UP** or **DOWN** - changes voltage.
- **FN+Timer** switching between normal and timer modes. Time counting could be started or stopped with **Start/Stop** button. **Clear** button resets timer. Time is displayed in hours and minutes. When the timer is on, press **FN+Timer** to come back to normal mode, timer will not stops.

Socket pinout	
<p>✓ Footswitch socket. It is intended for connection of mechanical contact.</p>	 <p>Footswitch socket</p>
<p>✓ Power supply socket. Specified power supply is 24V 25W.</p>	 <p>Power supply socket</p>

Automatic restrictions:

- ❖ When current exceed 3A (or 25W of power), limiting system smoothly reduce voltage. After 1 second limiting system tries to increase voltage.
- ❖ If unexpected current jump occurs up to 6A (or power up to 40W) limiting system disconnects machine and displays message “*Err.*”.
- ❖ Message “*Err.S*” means short circuit between interface connectors.

Electrical characteristics:

- Output voltage 1.5-20 V.
- Regulation step 0.1 V.
- Output voltage inaccuracy max 0.5%.
- Maximum output current 3A, peak to 6A. Maximum power 20W.