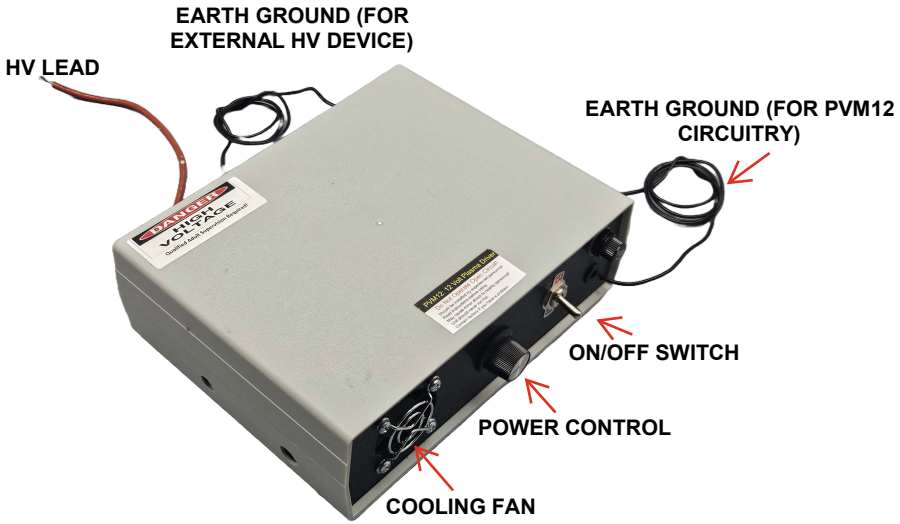
PVM12 (2025)OPERATING INSTRUCTIONS FOR VARIABLE HIGH VOLTAGE HIGH FREQUENCY SINGLE ENDED PLASMA DRIVER

FEATURES

OUTPUT: Variable 1 to 15kV
FREQUENCY: Variable 20 to 50kHz
CURRENT: Reactance limited
INPUT: 12 VOLTS DC @ 3 Amps MAX
SAFETY: Short-Circuit Protected with Auto 4 Amp Fuse Blown when Overloaded



INSTRUCTIONS

1. Connect HV lead to display—CAUTION: lead must not be near any conductive objects.
2. Connect up to power and click POWER SWITCH to “on.” Slowly adjust POWER CONTROL clockwise for desired effect. You will note a point where the input current peaks indicating system resonance. Maximum power output and display effect now occurs.
3. Allow to run for 1 hour and note unit is slightly warm.
4. Turn lights “off” to see and eliminate any corona.
5. Check display for excessive heat. Turn power down if necessary as it is possible to overpower. Unit has a 3 to 4 amp fuse and will blow if severely overloaded.

PRECAUTIONS:

Do not use near pacemakers or other similar electronic equipment. Energized display may radiate RF energy into nearby objects—including people! This may produce annoying burns and shocks. Produt must be installed by experienced personnel.

SPECIAL NOTES:

1. Undersized displays of smaller electrical capacity may cause overload due to excessive output voltage. It is suggested to use our MODEL #NEON21 for these smaller displays.
2. The over voltage is a result of high Q currents. A suitable load will add resistance reducing this circuit Q. Undersized loads may cause premature transformer failure.
3. Unit contains an internal factory set power limit control. Do not adjust without consulting factory—***warranty will be voided.***

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