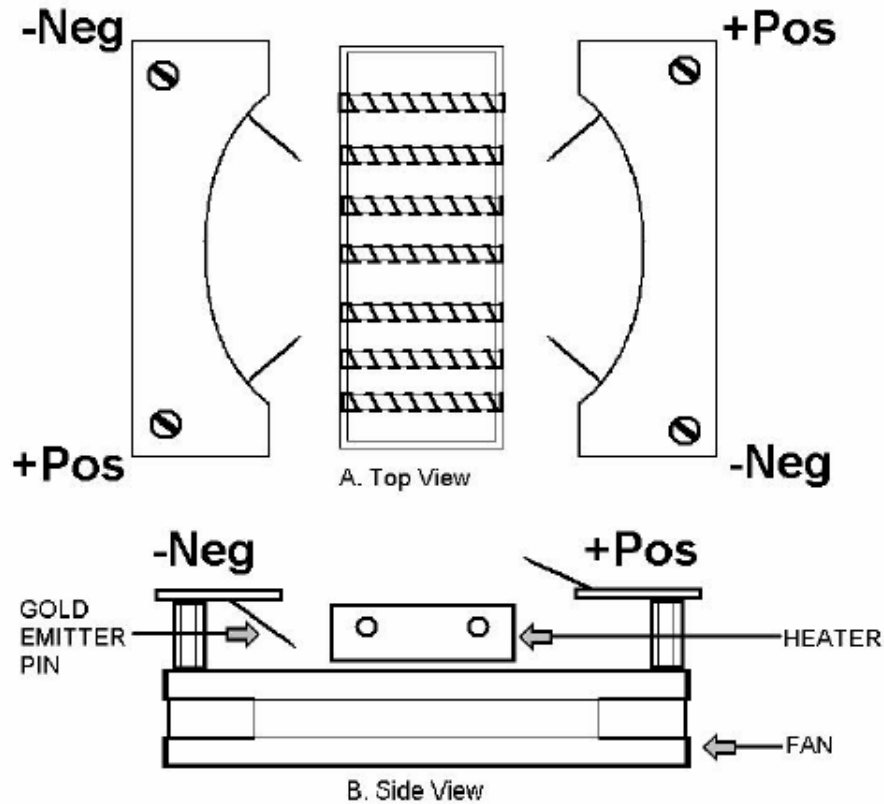


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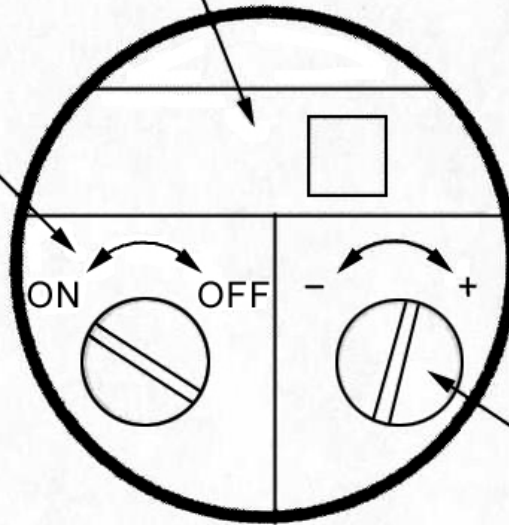
CALIBRATION PROCEDURE FOR OVERHEAD IONIZER WITH LIGHT & HEATER For EMIT 50614, Desco 60600, SPI 94040, AND ESDS 43550



1. Position a CPA (charged plate analyzer) under each fan and note offset voltage (balance).
2. Operate Ionizer at fan speed normally used.
3. Adjust using the right calibration pot on the front of the Ionizer. See diagram below.

ALARM SWITCH SHOWN
IN ON POSITION

ALARM
ADJUSTMENT



BALANCE
ADJUSTMENT

4. Position a CPA (charged plate analyzer) under each fan and verify acceptable offset voltage (balance).
5. Position a CPA (charged plate analyzer) under each fan and measure neutralization Discharge Time both +1,000 volts to +100 volts and from -1,000 volts to -100 volts.

Individual Ionizer Fan Offset Voltage (Balance) Adjustment

1. TURN OFF ELECTRICAL POWER to IONIZER.
2. See Figures A and B noting that two emitter pins produce positive charged ions and two emitter pins produce negative charged ions.
3. Use a plastic or wooden component lead bending type of tool to gently bend emitter pins.
4. To add more positive voltage, the positive emitter pins should be bent in towards fan and to add more negative voltage, the emitter pins should be bent out away from the fan.

Repeat test procedure above for each Ionizer fan. Trial and error may be required to achieve optimal results which will require operating the Ionizer. MAKE SURE to TURN OFF ELECTRICAL POWER to IONIZER PRIOR TO ACCESSING the EMITTER PIN AREA.