

PATRIOT POLARIZED AIR CLEANER

1" ELECTRONIC HVAC FILTRATION SYSTEM

INSTALLATION & MAINTENANCE INSTRUCTIONS

IMPORTANT!

- Only qualified technicians should install this product
- Install in accordance with relevant building codes
- Read instructions carefully including safety warnings

Installation

1. Turn off power to the air handler
2. Remove the existing filter from the 1" slot
3. Add foam padding strips (included) to frame as needed to assure a tight fit
4. Insert Polarized Air Cleaner into 1" slot
5. Power the Polarized Air Cleaner

A. Use a 110/24 VAC, 40 VA, Class 2 plug-in adapter power supply.
(Part # TUVF-40VA24VAC-WP sold separately)

or

B. Locate the 24 volt AC power source in your HVAC system then connect the leads of the power cord illustrated in the electrical wiring diagram.

See diagram (Fig. 1)

WARNING: Electrical work should be done by a qualified electrician or HVAC technician

Collector Pad Replacement

1. Turn off the power on the HVAC system.
2. Open the air handler filter access door.
3. Unplug the 24 volt power-cord and remove the PAC from the filter slot
4. Clean heavy accumulated dust on the outside screen with a vacuum.
5. Open the PAC and remove the old Collector Pad and discard it.
6. Insert new Collector Pad by sliding the electrode into the color tube inside the Pad.
7. Close the Air Cleaner and plug the 24 volt power cord into the power head.
8. Restore HVAC system power.

Note: You may hear a little snapping noise at the beginning. This is normal because of variations in temperature and humidity. This noise should cease after a few hours of operation. If the noise persists, contact your HVAC service company.

Periodical Operation Maintenance

Your collector pad should last 4 to 6 months, depending on the amount of air pollutants and fan usage. For maximum effectiveness of the PAC, we recommend that the fan control on the thermostat be in the "ON" position.

WARNING: Failure to change the collector pad on a regular basis will result in a reduction of air flow through the HVAC system. This can cause short cycling of your air handler system and may cause damage to your equipment.

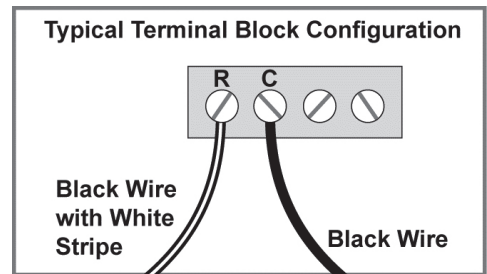


Fig. 1 HVAC Wiring

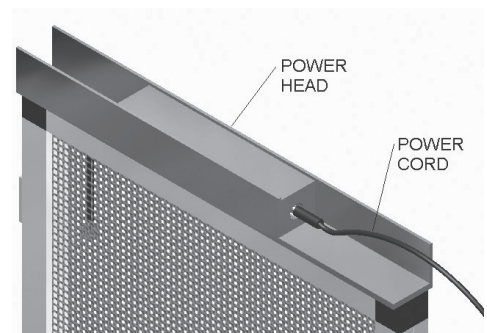


Fig. 2 Power Cord

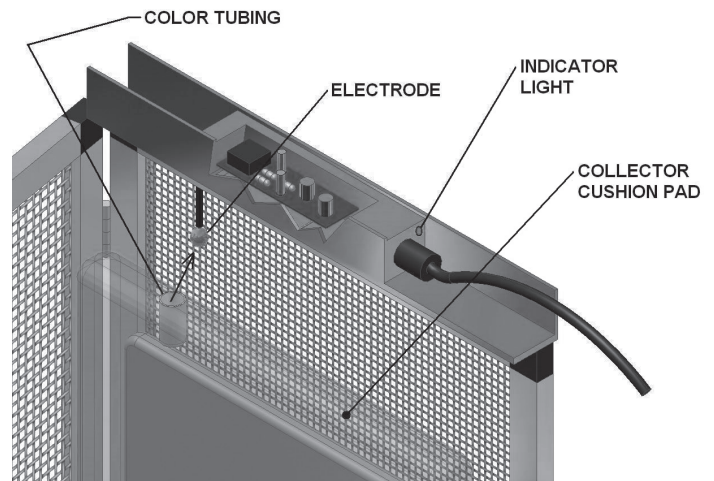


Fig. 3 Collector Pad Replacement