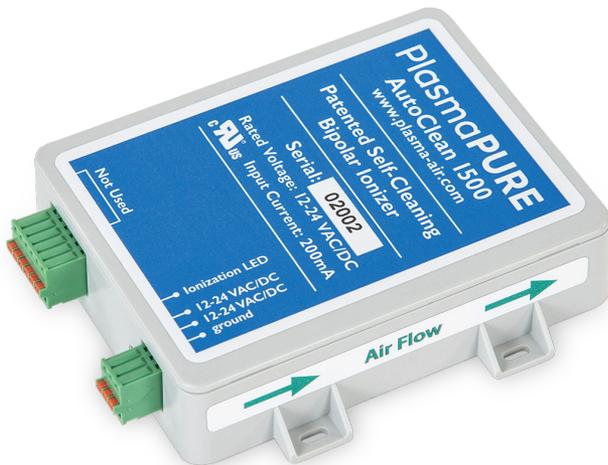




INSTALLATION, OPERATION & MAINTENANCE MANUAL

PlasmaPURE AutoClean 1500

04/2020



www.plasma-air.com/residential

SELF-CLEANING & NO MAINTENANCE

The PlasmaPURE AutoClean 1500 is a self-cleaning, maintenance-free needlepoint ionizer that produces positive and negative ions that neutralize harmful pollutants and odors in the home. This compact self-cleaning unit automatically removes dust and dirt build-up on the needles eliminating the need for maintenance. It can be easily mounted at the fan inlet of almost any air handling system including residential air conditioners, furnaces, mini-splits, fan coil units and VRF systems. The AutoClean 1500 is self-contained in a plastic enclosure which has molded tabs with mounting slots. Unit accepts 12V DC or 24V AC without the use of an external power supply.

MECHANICAL INSTALLATION INSTRUCTIONS

GENERAL MOUNTING CRITERIA:

1. Do not connect to power before mechanical installation is complete.
2. Mount ionization unit to allow for future access.
3. Mount the unit at or near the fan inlet using the slots in the mounting tabs, insuring that air flows over the two recessed needlepoint electrodes simultaneously. Short sheet metal screws should be used to mount the ionizer to the fan casing. See Figures 1 & 2.
4. The unit should be mounted downstream of the filter.
5. For best results avoid locations directly downstream of a cooling coil or humidifier.

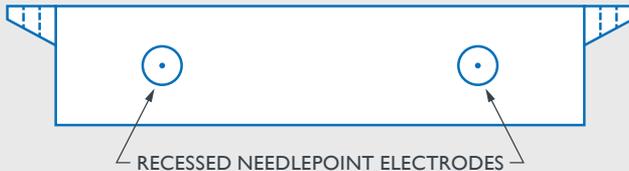


FIGURE 1

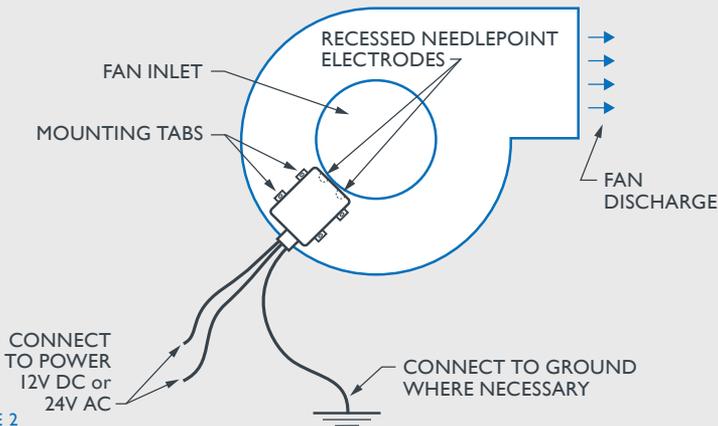
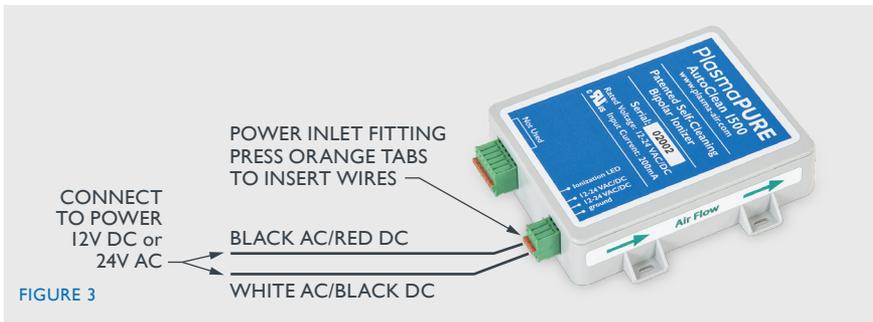


FIGURE 2

ELECTRICAL INSTALLATION INSTRUCTIONS

WARNING: Do not connect to power before installation is complete. Always disconnect power to the unit before handling the ionizer.

1. All field wiring to be in accordance with the National Electric Code and authorities having jurisdiction.
2. Connect power to ionizer using either 12V DC or 24V AC. See Figure 3.
3. Connect power wires to power inlet fitting by pressing the orange tab firmly, inserting the appropriate wire, then releasing the orange tab. Repeat as necessary for the other wires. Strip wire insulation as necessary.
4. For best results interlock ionizer power with fan relay.
5. Apply power to the unit. The LED indicator will be green when power is applied to the ionizer, but then turns orange when functioning properly.



OPERATION

1. When power is applied to the unit, the ionizer will be activated. The LED indicator will change from green to orange to indicate proper operation.
2. The ionization unit is self balancing and does not require any type of adjustment.
3. Self-cleaning frequency is factory set at once per day. To change this frequency, contact Plasma Air for factory programming. During the short self-cleaning process, the LED indicator will temporarily turn green.

TROUBLESHOOTING

If the unit is not operating, check the following:

1. Verify that all power connections are correct and tight. Reconnect any loose wires as necessary.
2. The supply fan is running during operation, and that the orange LED illuminates. If the LED is green, and cleaning cycle is not active (wait a few minutes), contact Plasma Air for further support.

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