

# DEALER INSTALLATION AND OPERATING INSTRUCTION



## 24 VOLT POWER ONLY AC or DC

THE BP1 ELECTRONIC AIR CLEANER REQUIRES CONNECTION TO A 24 VOLT POWER SOURCE. DO NOT CONNECT THE POWER SUPPLY CORD TO 110 VOLTS. IN SOME NEWER SYSTEMS THE HUMIDIFIER TERMINAL MAY BE 24 VOLTS. THIS IS SUITABLE FOR CONNECTION. BE SURE TO CHECK WITH A VOLTMETER.



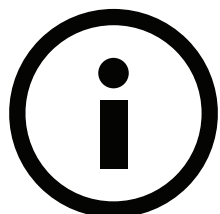
NOMINAL VOLTAGE REQUIRED: 24 Volts

POWER CONSUMPTION: 2 Watts

CURRENT DRAW: 64 MilliAmps at 24 Volts

VOLTAGE RANGE: 22 Volts to 32 Volts

The BP1 electronic air cleaner retro-fits into any one inch filter opening. Remove the existing one inch air filter and replace it with the BP1 electronic air cleaner. Next, connect the power cord supplied to a low voltage power supply. In most cases you will have a variety of choices. Some of the newer systems have a 24 volt terminal for humidifiers and other low voltage system accessories.



The BP1 air cleaner can be powered from this source. Be sure to identify that the terminal is 24 volts. A second common option is to locate the low voltage 24 volt transformer within the system. This transformer is ideal and can be easily used to power the this electronic air cleaner. The BP1 draws a very small amount of current and will not overload the system. The air cleaner can be connected permanently to the 24 volt side of the transformer without any need for switching. The BP1 air cleaner requires less than two watts of power to operate.

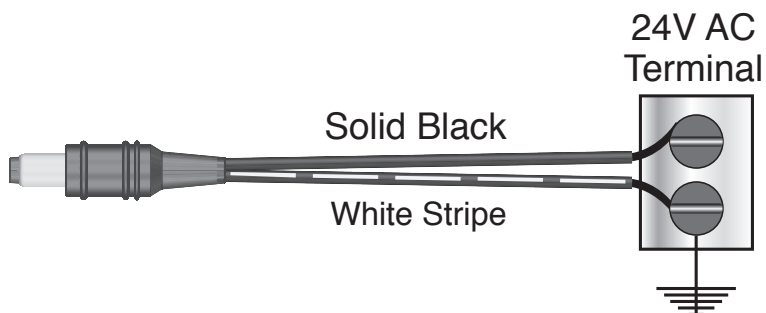
Note: using an AC volt meter be sure to identify the correct terminals. The terminal voltage needs to read between 24 and 30 volts ac. Also identify which terminal, if any, is connected to the equipments frame. This can be done by connecting one of the leads of the meter to the equipments frame and the other lead to either terminal. The grounded terminal will not have a voltage on it. Connect the BP1 power cord as shown in figure #1.

The side of the power cord that has a white stripe on it is connected to the grounded terminal. Once you have connected the power cord to the 24 volt power source insert the power cord plug into the BP1 electronic powerhead. At this point the small led light on the powerhead will turn on indicating full power. If the small led light is not on then the BP1 air cleaner will not operate properly. Re-check your voltage to be sure the air cleaner is receiving power.

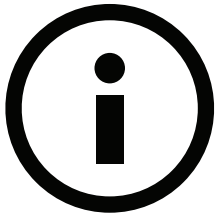
The BP1 electronic air cleaner has been designed to operate with constant power or in series with the systems fan. Both methods will permit reliable, long term, performance.



FIGURE #1



NOTE: THE LED POWERHEAD INDICATOR LIGHT MUST BE ON FOR EFFECTIVE OPERATION



The BP1 electronic air cleaner may snap or arc electrically upon initial installation. This is due to a build-up of humidity within the air cleaner. This condition will subside after several hours of operation. The BP1 electronic air cleaner has been engineered to operate quietly. There may be an occasional snap or arc. This is normal and will not interfere with the effective operation of the air cleaner.

## MAINTENANCE



**In order to ensure effective performance for the BP1 electronic air cleaner periodic replacement of the special media pads inside is required.** The original BP1 media pads are a unique, multi-layered, proprietary material. The BP1 replacement media pads are available in a convenient one or two year pack.

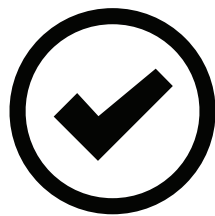
The BP1 electronic air cleaner will not operate properly if alternative materials are used. It is Recommended that the pads be replaced every three to four months.

To replace the media pads disconnect the power cord at the top of the air cleaner and remove the electronic air cleaner from the filter rack. Pull the latches up on the side of the air cleaner. Open the air cleaner on a flat surface and discard the two dirty media pads. Then take two new media pads from the original BP1 media pack and install them. Close the air cleaner, re-seat the latches and re-install. Be sure to reconnect the power cord.

FOR CUSTOMER SERVICE CONTACT US AT:

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## WARRANTY

The limited warranty covers any defect in materials or workmanship for a period of five years. The warranty period commences on the purchase date of the product. The warranty does not cover any damage from misuse, neglect or abuse. To make a warranty claim contact the original installing contractor or Alberta Indoor Clean Air directly with a copy of an original sales receipt or other evidence of the date of purchase.

Note: In some areas air cleaners are covered by medical insurance and may also be tax deductible if prescribed by a Physician. This will vary according to local legislation. The following information is normally required.

R<sub>x</sub>

Physician's Name: \_\_\_\_\_

Physician's Authorization: \_\_\_\_\_

Prescription: \_\_\_\_\_

Patient Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ Zip /Postal Code: \_\_\_\_\_