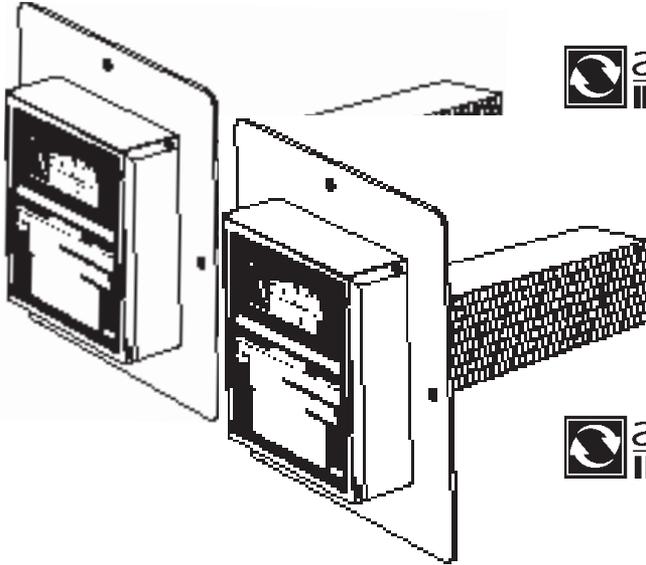


activTek®

ENVIRONMENTAL



 **activTek**
INDUCT 2000

 **activTek**
INDUCT 750

ELECTRONIC AIR PURIFICATION SYSTEM


ActivePure[®]
TECHNOLOGY



OWNER'S MANUAL

- Specifications
- Installation
- Operation
- Features
- Maintenance

CAUTION: Read manual carefully for proper procedures and operation.

CONGRATULATIONS ...

on your purchase of an activTek INDUCT 750/2000 air purification enhancement system. This unit is designed to be installed into an existing HVAC system or AHU. Please read and follow all service procedures outlined in this manual. Use only genuine activTek replacement parts available from your Distributor.

If you have any questions concerning this or any activTek product, contact your Distributor.

Please record the name and phone number of your activTek Distributor:

Name _____

Phone _____

Please record the serial number of your activTek INDUCT 750/2000:

Serial # _____

S P E C I F I C A T I O N S	Features:
	Electrical:
	• 100/277 V~ 50/60 HZ
	• 0.17A 17watts (INDUCT 750)
	• 0.17A 19watts (INDUCT 2000)
	Mechanical:
	• Distribution via air handler and ducts.
	Dimensions:
	• INDUCT 2000: 9.62" x 9.62" x 11.25" (24 cm x 24 cm x 28.5 cm.)
	• INDUCT 750: 9.62" x 9.62" x 7.48" (24 cm x 24 cm x 19 cm.)
• Weight: 3 pounds (1.2 kg.)	
Operating Temperature:	
• < 200°F	
Coverage:	
• INDUCT 2000: up to 1100 ft ² (100 m ²)	
• INDUCT 750: up to 400 ft ² (37 m ²)	
Warranty:	
• Length of warranty will vary depending on model. See warranty card for specific details.	

CONTENTS

Specifications	2
About activTek INDUCT 750/2000	2
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Installation Hardware	3
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activTek INDUCT 750/2000 is easily mounted into the supply side of air conditioning and heating system air ducts where many problems can start.



WARNING! - UV Light in operation. Disconnect unit from power supply before servicing. Failure to follow warnings may result in severe eye damage and electrical shock.



Location for Protective Earth Line.



WARNING! - To prevent damage to the unit, operating environment temperature must never exceed 200°F.

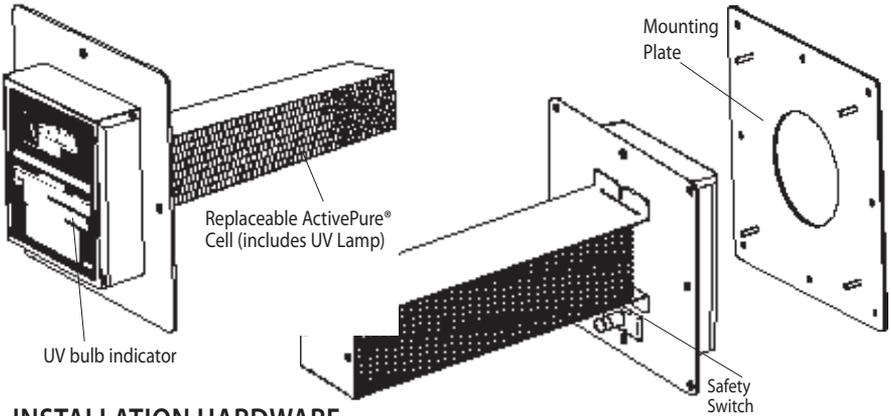


WARNING! - This unit must be installed by a licensed HVAC contractor. Failure to do so will void warranty of the product.



WARNING! - This unit must never be used with an extension cord.

PRODUCT CONTENTS



INSTALLATION HARDWARE



(8) #8 - .75
1/4" Self-tapping screws
Item # US70679



(4) #6 - 32 X 2 inch
Threaded bolts
Item #US70680



(4) #8 - 32
Hex nuts
Item # US70681

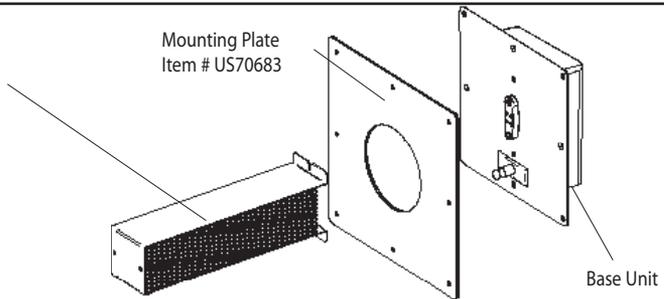


(4) #6 - 32
Toggle bolt wall anchors
Item # US70682

REPLACEMENT PARTS

INDUCT 750
ActivePure® Cell
Item # US71114

INDUCT 2000
ActivePure® Cell
Item # US70678



RECOMMENDED INSTALLATION TOOLS



3 1/2" Hole Saw
for wood or metal
(recommended)



Drill/Power Driver



Phillips
Screwdriver



3/8" Drill Bit
(if installing into fiberglass
ducting with toggle bolts)



11/32" Open-
End Wrench

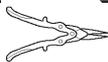


1/4" Nut Driver
Bit

You may also need:



Utility Knife



Tin Snips
(for metal ductwork)



Dust Mask

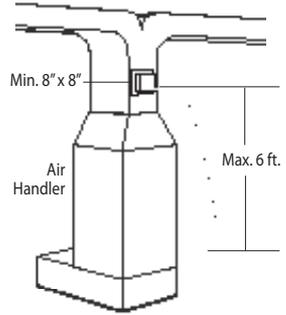


CAUTION: When the unit is installed in a roof mounted HVAC system, the unit must be protected from the elements.

INSTALLATION REQUIREMENTS

Installation Requirements

1. Unit should be installed after the air handler in the HVAC system.
2. The ductwork around the installation area should be clean and dry to ensure proper adhesion of the gasket materials and any tape used.
3. When installing near a furnace or heating coils, run the heating system through three (3) full heating cycles to ensure the temperature of the INDUCT unit does not exceed 200°F.
4. An approximate 3.5" (8.89 cm) opening will need to be cut into the existing ductwork to install the unit properly.



Electrical Requirements for 120 volt installation only

- To use a 120 volt plug, be sure to locate the unit within 6 ft. of a standard 120 volt grounded outlet. Use of an extension cord is not recommended due to safety considerations.
- Install a US "B" UL approved plug onto the blunt cord.

Hardwiring Requirements (All units)

- **Permanent wiring of the unit into your HVAC system must be done by a licensed HVAC installer or electrical contractor only.**



This unit is equipped with a universal ballast that operates at nominal voltages between 100 and 277 VAC, 50/60 Hz.

For 120V domestic units: Black = L1, White = Neutral, Green = Ground

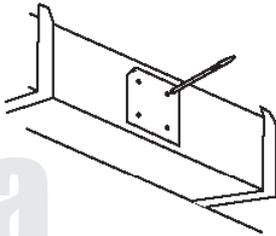
For commercial units: Black = L1, White = L2, Green = Ground

For International Units: Brown = L1, Blue = L2, Green w/yellow stripe = Ground

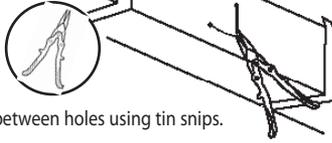
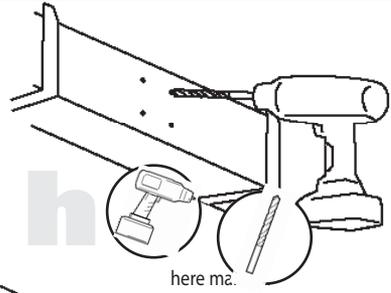
METAL DUCTWORK INSTALLATION

1. Locate suitable area of duct for installation.
2. Cut away insulation to expose metal duct (if needed).
3. Mark location for 3.5" opening using either the mounting plate or included template.
4. Cut hole in duct using 3.5" hole saw.

ALTERNATIVE CUTTING METHOD

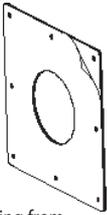


a. Using template, mark 4 holes on duct.

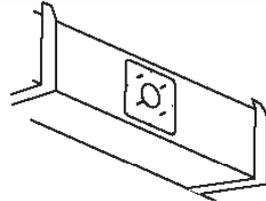


c. Cut between holes using tin snips.

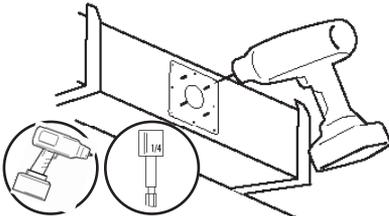
METAL DUCTWORK INSTALLATION (CONTINUED)



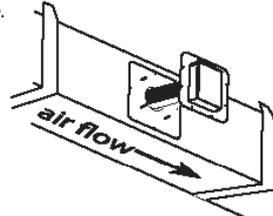
5. Remove backing from mounting plate adhesive gasket.



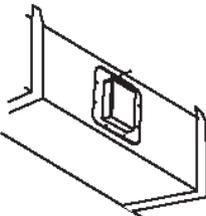
6. Center openings and press mounting plate onto duct. The adhesive gasket will hold the mounting plate in place.



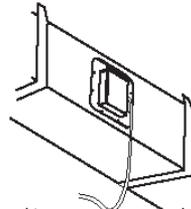
7. Secure the mounting plate using (8) #8 self-tapping screws.



8. Insert unit into opening. Be sure the air will pass through the ActivePure® cell honeycomb matrix.



9. Secure the unit to the mounting plate with (4) #8-32 nuts.

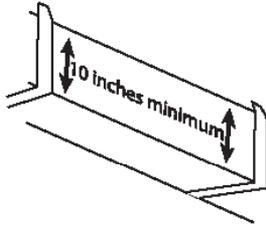


10. Plug unit into working power receptacle.

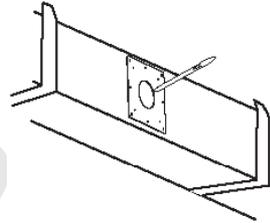
Hard wiring unit into HVAC system must be done by a licensed HVAC installer or electrical contractor only.



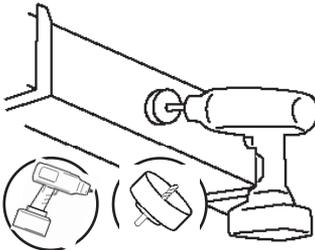
FIBERGLASS DUCTWORK INSTALLATION



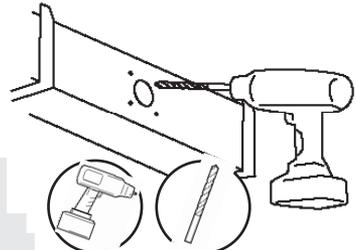
1. Locate suitable area of duct for installation.



2. Mark location for 3.5" opening using either the mounting plate or included template. Also mark the locations of 4 screw holes in corners (see template).

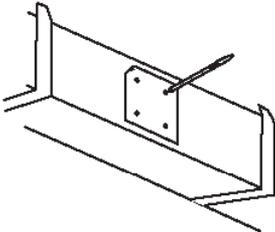


3. Cut hole in duct using 3.5" hole saw.

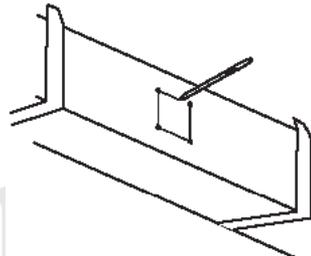


4. Drill 4 holes (at corner screw locations) using a 3/8" drill bit.

ALTERNATIVE CUTTING METHOD



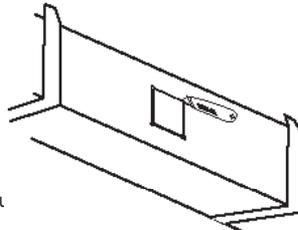
a. Using template, mark 4 holes on duct.

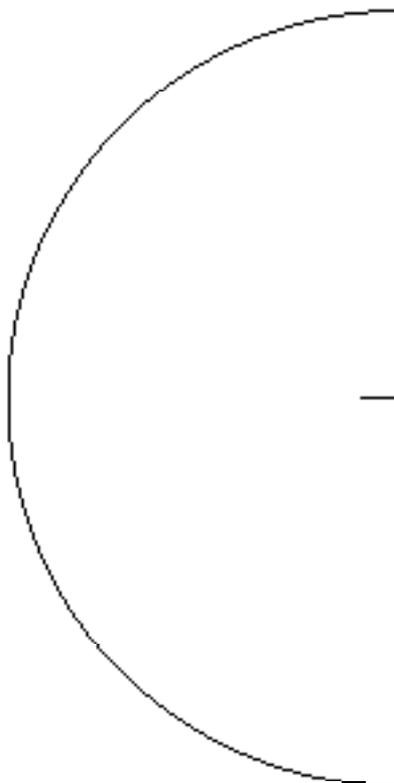
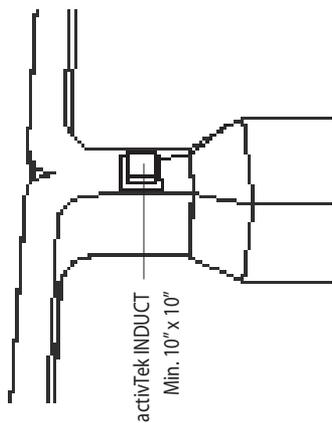


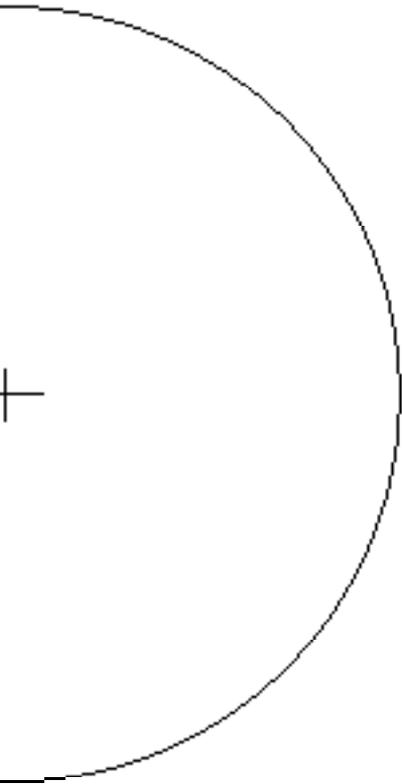
b. Draw a line between each corner mark.



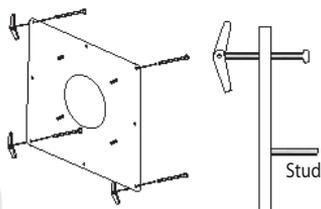
c. Cut between holes using a utility knife.
Continue with #4 (above)







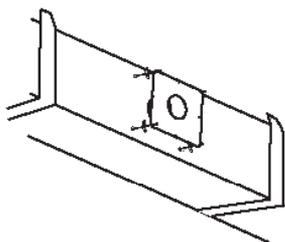
FIBERGLASS DUCTWORK INSTALLATION (CONTINUED)



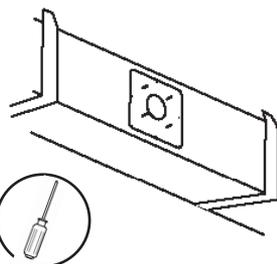
5. Insert (4) 2" Threaded bolts into screw holes at corners of mounting plate. Attach (4) toggle bolt anchors to ends of threaded bolts.



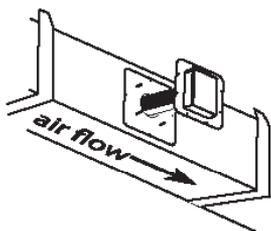
6. Remove backing from mounting plate adhesive gasket.



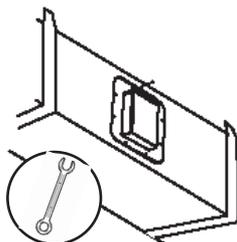
7. Insert (4) toggle bolts into 3/8" holes in duct. Be sure toggle anchors open after inserting.



8. Center large opening in mounting plate over 3.5" opening in duct and press plate to duct. The adhesive gasket will hold the mounting plate into place. Tighten toggle bolts - DO NOT OVERTIGHTEN.



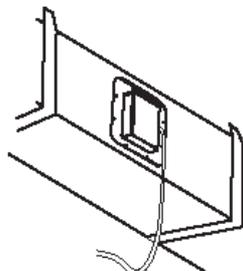
9. Insert unit into opening. Be sure the air will pass through the ActivePure® cell honeycomb matrix.



10. Secure the unit to the mounting plate with (4) #8-32 nuts.

11

11. Plug unit into working power receptacle. Hard wiring unit into HVAC system should be done by a licensed HVAC installer or electrical contractor only.



MAINTENANCE/UV LAMP INDICATOR

Your activTek INDUCT 750/2000 unit requires no periodic maintenance beyond normal replacement of the ActivePure® cell every 2 years. UV bulb has an effective life of 18,000 hours.

Note: For optimal performance, we recommend the replacement of the ActivePure® cell every year and a half, even if the UV lamp appears to be operating normally.

The UV lamp operation indicator on the face of the unit will glow when the UV lamp is in use. If the indicator does not glow and the unit has power, the ActivePure® cell should be replaced.

UV lamp operation indicator



WARRANTY INFORMATION

LIMITED 1 YEAR WARRANTY

Customer should not repackage and ship the INDUCT 750 or INDUCT 2000 unit due to possibility of irreparable damage. For warranty service, please contact your activTek Distributor for the address of the nearest service center.

WHAT IS COVERED BY THIS WARRANTY

We warrant the INDUCT 750 or INDUCT 2000 (excluding filters) to the Customer, subject to the conditions below, against defects in workmanship or material, provided that the products are returned to a service location within the following time periods:

- INDUCT 750 or INDUCT 2000 within one (1) year of date of purchase.
- ActivePure Cell and Lamp within three (3) months from the date of purchase.

INSTALLATION AND MAINTENANCE REQUIREMENTS

This warranty is expressly conditioned upon proper installation, operation, cleaning and maintenance, all in accordance with the Owner's Manual. Failure to meet any of these requirements will void this warranty. Servicing of your INDUCT 750 or INDUCT 2000 by parties other than our authorized representatives and/or using parts other than genuine parts will also void this warranty.

HOW TO OBTAIN WARRANTY SERVICE

Customer must contact their activTek Distributor and provide proof of purchase within the above time periods. We will repair or replace and return the product, without charge and within a reasonable period of time, subject to the conditions herein, if its examination shall disclose any part to be defective in workmanship or material. If we, in our discretion, are unable to repair the product after a reasonable number of attempts, we will provide a replacement unit.

WHAT IS NOT COVERED BY THIS WARRANTY

Ordinary wear and tear shall not be considered a defect in workmanship or material. These warranties do not apply to filters nor for loss or damage caused by accident, fire, abuse, misuse, improper installation, leaking, modification, misapplication, or by any repairs other than those provided by our authorized Service Center. This warranty is non-transferable.

MISSING SERIAL NUMBERS AND

UNAUTHORIZED CHANNELS

If a valid serial number is missing from the product, the warranty will be voided. ActivTek products are authorized for sale through activTek Distributors only. Warranties are voided if a product is purchased through unauthorized channels.

EXCLUSION OF OTHER WARRANTIES AND CONDITIONS

EXCEPT AS PROVIDED HEREIN, WE MAKE NO REPRESENTATION OR WARRANTY OF ANY KIND. ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

LIMITATION OF LIABILITY FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES

WE SHALL NOT IN ANY CASE BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF EXPRESSED OR IMPLIED WARRANTIES, CONDITIONS, GUARANTEES OR REPRESENTATIONS, BREACH OF CONTRACT, NEGLIGENCE OR ANY OTHER LEGAL THEORY. Such excluded damages include, but are not limited to, loss of profits or revenue, and loss of the use of the products, and any loss caused by leaks or other water damage.

FOR U.S. APPLICATION ONLY

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on warranties, or on remedies for breach. In such states, the above limitations may not apply to you.

FOR CANADIAN APPLICATION ONLY

Exclusion of Subsequent Owners: Except as otherwise required by applicable legislation, this warranty is not transferable. This warranty gives you specific legal rights and you may also have other rights which vary from province to province. Some provinces and territories do not allow limitations on warranties, or on remedies for breach. In such provinces or territories, the above limitations may not apply to you. If any provision of this warranty or part thereof is held by a court of competent jurisdiction to be invalid, illegal, or unenforceable, the validity, legality and enforceability of the remaining provisions or parts thereof will not in any way be affected or impaired within the jurisdiction

of that court. This entire warranty shall continue to be valid, legal and enforceable in any jurisdiction where a similar determination has not been made.

This warranty is provided by
DBG Group Investments, LLC
5420 LBJ Freeway, Suite 1010
Dallas, TX 75240.
SERVICE

Every effort is made to ensure customers receive an up-to-date instructions manual on the use of our products; however, from time to time, modifications to our products may without notice make the information contained herein subject to alteration.

CHANGING THE ACTIVEPURE® CELL

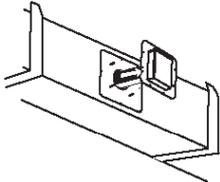


WARNING! - UV Light in operation. Disconnect unit from power supply before servicing. Failure to follow warnings may result in severe eye damage.

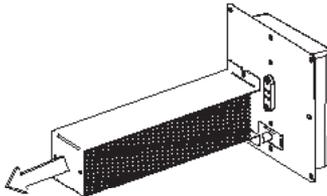


1. Unplug unit. **If the unit is hard wired, be sure the power to the unit is off.**

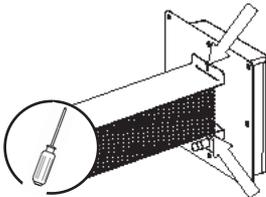
Always follow OSHA electrical lockout safety requirements to prevent Accidental release of energy during service or maintenance activities



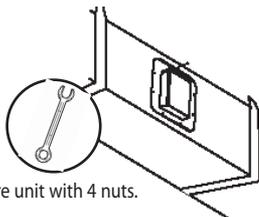
3. Remove the unit from the mounting plate.



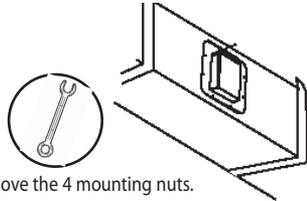
5. Separate the used ActivePure® cell from the base unit and dispose of properly.



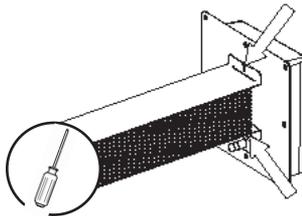
7. Secure with 2 screws.



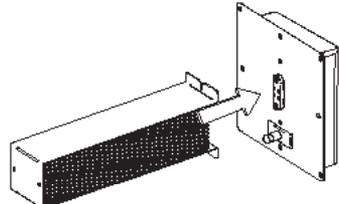
9. Secure unit with 4 nuts.



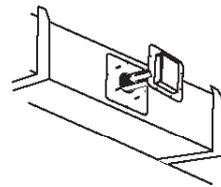
2. Remove the 4 mounting nuts.



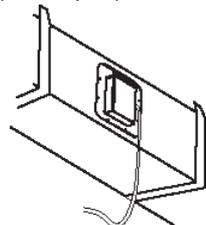
4. Remove the 2 screws holding the ActivePure® Cell.



6. Plug the new ActivePure® cell into the base unit.



8. Insert the unit into



10. Reconnect power supply.

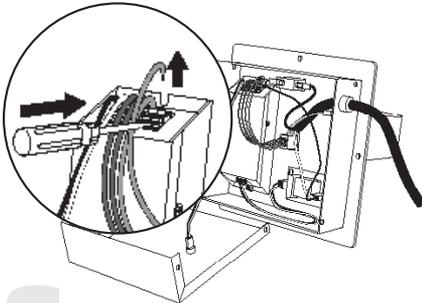
REPLACING THE BALLAST



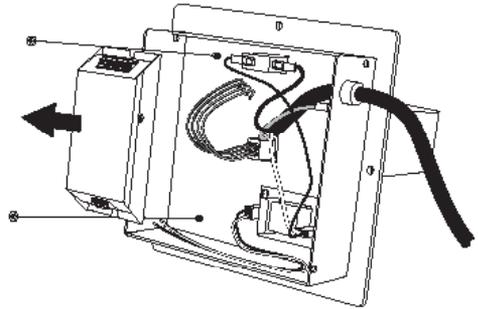
1. Disconnect power at the breaker or fuse panel before servicing unit.



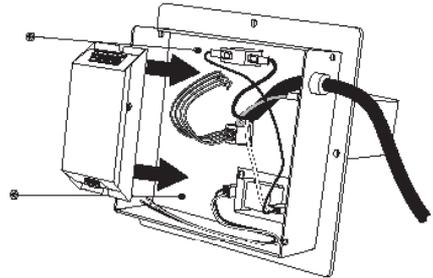
2. Open the ballast housing by removing the four (4) screws then removing the cover.



3. Disconnect all ballast wiring by pressing down on connector tabs and pulling wire straight out.



4. Remove the two (2) nuts securing ballast to the case. Remove the ballast.



5. Place new ballast into original location and secure using the two (2) nuts removed in step 4.

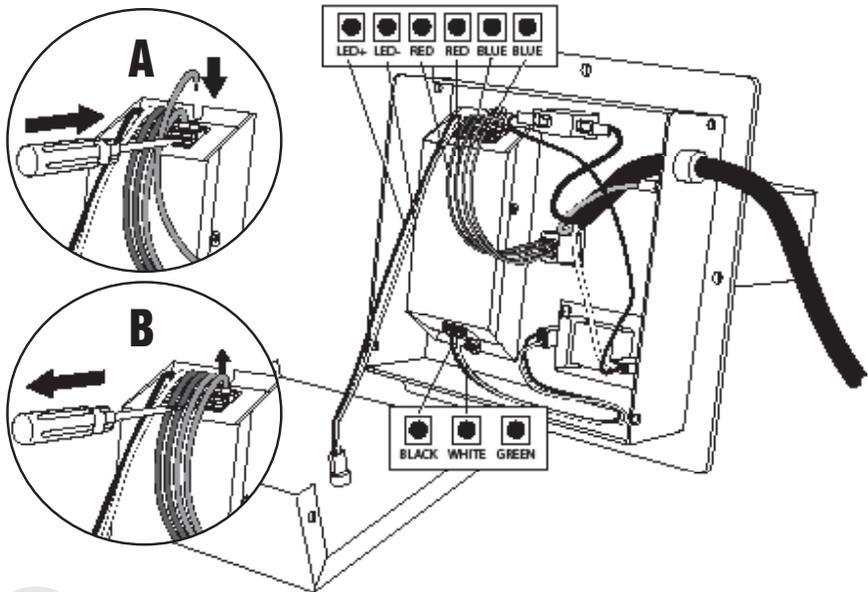


CAUTION: Never attempt to check operation of the ActivePure® cell(s) by direct observation. Severe eye damage can result. Use the indicator lamps on the bottom of the ballast only.



CAUTION: Disconnect power at the breaker or fuse panel before servicing unit. Always follow OSHA lockout procedures to prevent accidental exposure to electrical energy.

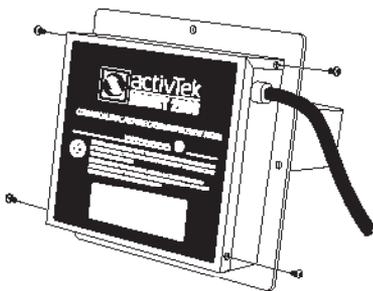
REPLACING THE BALLAST (continued)



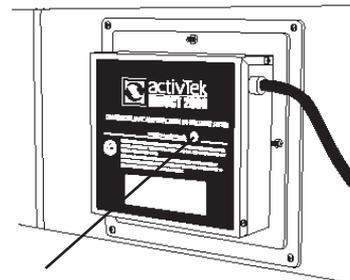
6. To reconnect wiring, (A) press each tab on the ballast and insert wire. (B) Release tab and gently pull wire to ensure it is properly locked into place.

- UPPER (6 terminals)
- Black LED wire in LED+
 - White LED wire in LED-
 - 2 Blue wires in BLUE
 - 2 Red wires in RED

- LOWER (3 terminals)
- Black power wire in BLACK
 - White power wire in WHITE
 - GREEN is not used



7. Replace cover and secure with the original four (4) screws.



LED INDICATOR

8. Re-install unit if removed from duct. Reconnect power and check for proper operation (LED indicator should be lit when in operation).

This equipment has been tested and found to comply with the limits for Industrial, Scientific, and Medical Equipment (ISM), pursuant to Part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the Distributor or an experienced radio/TV technician for help.

FCC DECLARATION OF CONFORMITY

Name: DBG Group Investments, LLC
dba activTek Environmental

Model: activTek INDUCT 750/2000

Manufacturer:
DBG Group Investments, LLC

This device complies with Part 18 of the FCC Rules.

RESPONSIBLE PARTY

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