PCO UPGRADE KIT
Model: TrioMACM-1625/2025

The TrioMACM Pro-Cell Module Upgrade Kit is designed to upgrade the TrioMACM Media Air Cleaner device into a Trio 1200 or Trio 2000 Healthy Home Purification System. The Trio 1200/2000 air purification system combines three unique technologies to protect people against indoor air pollutants. Photo catalytic technology (PCO) combined with high efficiency electro-statically super charged MERV13 particulate filter and UVC germicidal light quickly reduces and eliminates toxic gas-phase chemicals, lung damaging dust and airborne germs from the living environment.

ITEMS INCLUDED IN KIT:
- PCOC Module for TrioMAC16x25 or TrioMAC20x25 (120VAC or 220VAC)
- 16x25 or 20x25 Merv 13 Replacement Filter
- Power Cord (120VAC or 220VAC)
- Trio1200/2000 Operating Manual
- TrioMACM PCO Upgrade Kit Instruction Manual
- Various Door Modification Components
  - o 3" Grommet with Center Hole
  - o 4 Unit Labels (2 Caution, 1 Model and 1 Filter/UV Lamp Reminder)
  - o Healthy Home System Soft Label

READ THESE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE PROCEEDING WITH THE INSTALLATION.

This device MUST be installed by a qualified agency in accordance with the manufacturer's installation instructions. The definition of a qualified agency is: any individual, firm, corporation or company which either in person or through a representative is engaged in, and is responsible for, the installation and operation of HVAC appliances, who is experienced in such work, familiar with all the precautions required, and has complied with all the requirements of the authority having jurisdiction.

Please retain these instructions after installation.

Installed By: _____ Phone: _____ Installation Date: _____

FIELDCONTROLS
Improving Indoor Environments

www.fieldcontrols.com

IMPORTANT SAFETY INSTRUCTIONS

Before installing the upgrade kit components in to the TrioMAC housing, inspect the upgrade components for any signs of damage. During handling and installation, take care to protect the catalytic honeycomb side of the PCO Module from physical damage, as the aluminum-titanium core is very soft and can be easily damaged.

⚠️ **Warning – Always unplug the power cord when changing filter or UVC germicidal lamps. Never look into an illuminated ultraviolet lamp without proper eye protection as severe damage to your eyes can result. This product is rated for standard ambient air temperatures during heating and air-conditioning functions and not rated for elevated air temperatures in excess of 125° F (52°C).**

Do not attempt to clean the catalytic honeycomb core with cleaning solutions. The catalyst is radiated with short wave ultraviolet light during periods of non-air flow and is self-cleaning.

Read the Trio1200/2000 Installation Manual for additional safety and installation information prior to perform-ing this component upgrade on the TrioMAC product. Additional copies of the Trio1200/2000 Installation Manual (FC P/N: 46638700) can be found at: www.fieldcontrols.com.

INSTALLATION OF UPGRADE COMPONENTS

The installation process of the upgrade kit is limited to three main areas:

1.   Door Modification

2.   PCO Module Insert

3.   Replacement Merv13 Filter

The door modification consists of attaching of several new labels to the inner and outer side of the door plus replace the 3" black solid grommet with grommet with hole. Peal and stick the following labels to the appropriate door surface: (refer to Figures 1 and 2)

1.   Healthy Home Label to outer surface of door

2.   Caution/Listing Label to outer surface of door

3.   Trio Data Label to outer surface of door

4.   Filter/Lamp Replacement Sticker to outer surface of door

5.   Air Flow Label to outer surface of door (arrow should be pointing towards grommet)
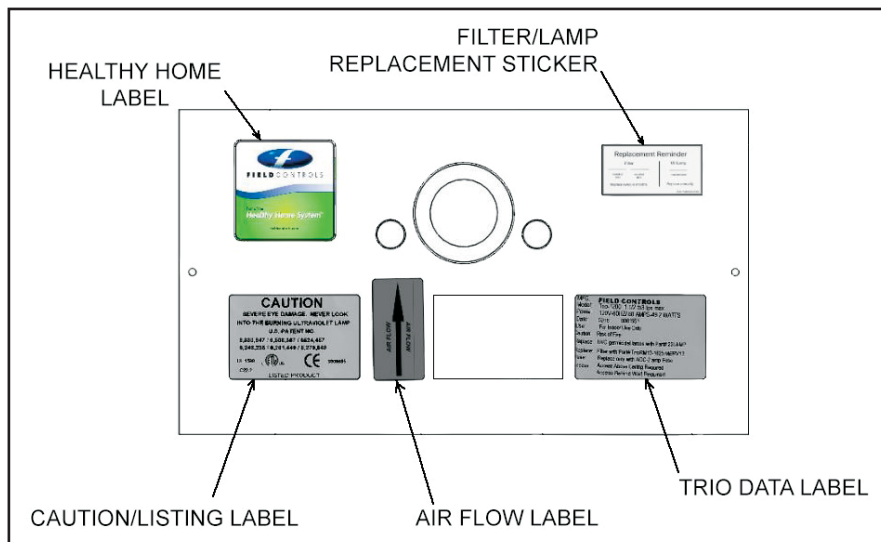
6.   Caution Lamp Label to inner surface of door

FIG 1: DOOR MODIFICATION (OUTER)

GROMMET WITH HOLE

CAUTION
SEVERE EYE DAMAGE
NEVER LOOK INTO THE
BURNING ULTRAVIOLET
LAMP
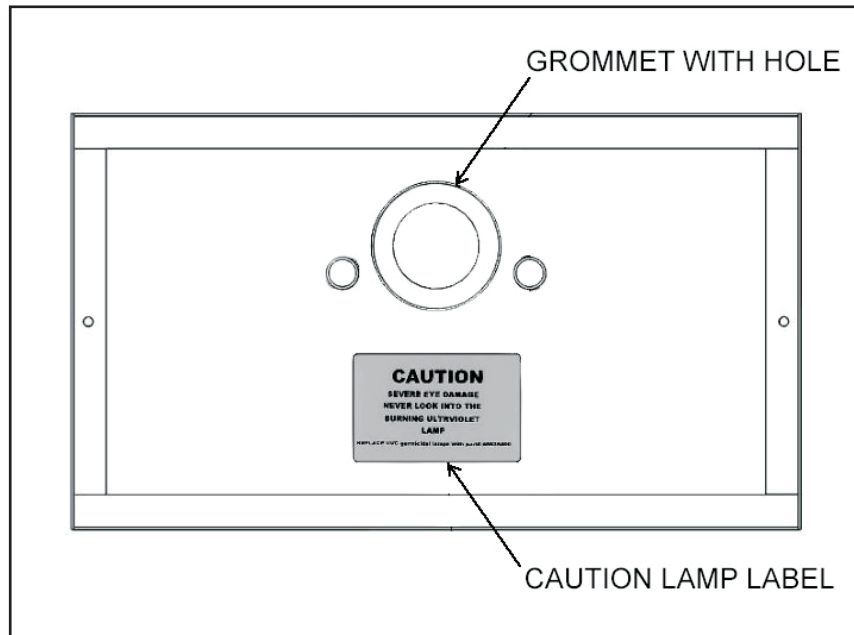REPLACE UVC germicidal lamps with part# annually

CAUTION LAMP LABEL

FIG 2: DOOR MODIFICATION (INNER)

The PCO Module Insert and Pleated Filter (4" thk) slide in to tracks in the TrioMAC housing as shown in Figure 3. Remember to remove the plastic from around the pleated filter before assembly and orient the filter according to air flow through the housing.

Secure the door assembly to the TrioMAC housing using the original door fasteners provided.

The TrioMAC Air Media Cleaner has now been successfully converted to a Trio 1200 or Trio 2000. The Trio 1200 has a side opening of 16x25 inches (nominal) and the Trio 2000 has a side opening of 20x25 inches (norminal).

Refer to the attached Trio1200/2000 Manual for operating this device and for servicing going forward. Additional copies of the Trio1200/2000 Installation Manual (FC P/N: 46638700) can be found at: www.fieldcontrols.com.

PCO INSERT MODULE

TrioMAC HOUSING

PLEATED FILTER
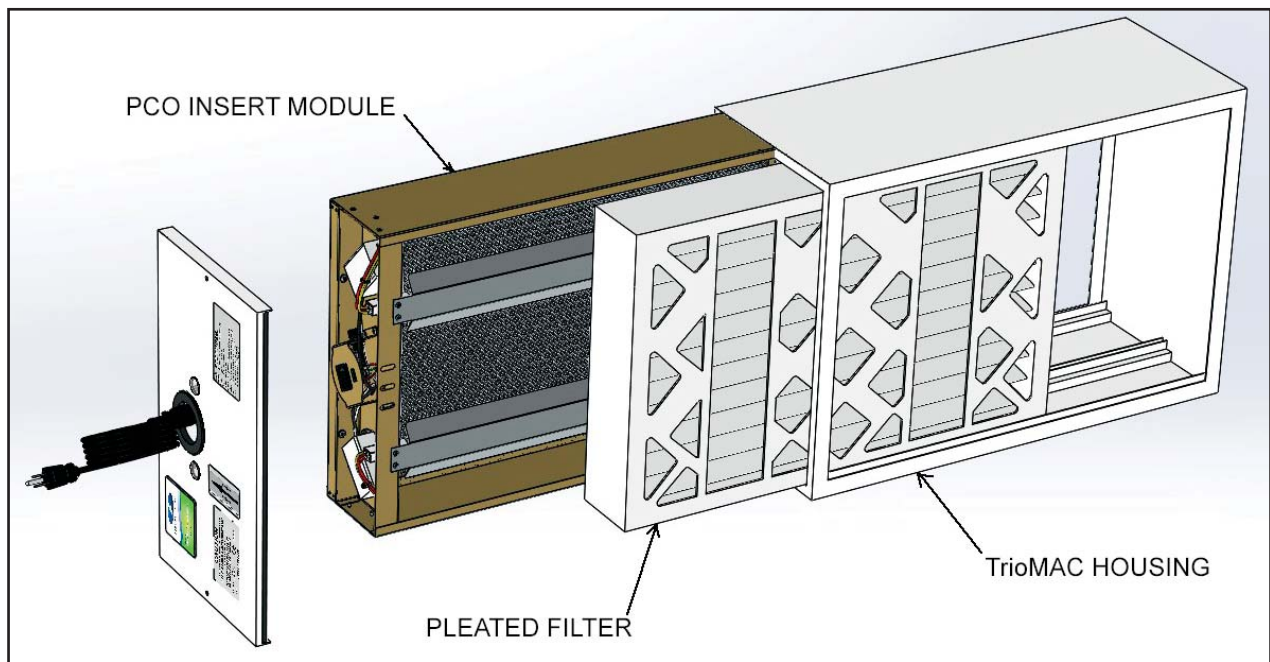
FIG 3: INSERT PCO MODULE AND FILTER INTO TRIOMAC HOUSING

This manual may be downloaded and printed from the Field Controls website (www.fieldcontrols.com)

WARRANTY
For warranty information about this or any Field Controls product, visit:
www.fieldcontrols.com

FIELDCONTROLS
Improving Indoor Environments

9154 Stellar Court, Corona, CA 92883   2630 Airport Road, Kinston, NC 28504
Phone: 951.277.0304   Phone: 252.522.3031

       P/N 78010006000 Rev A 08/09