

# GAPAA Air Purifier for Furnaces Sizes 1625 and 2025

## Installation Instructions Addendum

The GAPAA air purifier has recently been upgraded with new power supply hardware. This addendum replaces the “Wiring” section on page 6 of the installation instruction manual for proper installation and operation of the air purifier.

### WIRING

#### ⚠ WARNING

##### ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before installing or servicing system, always turn off main power to system. There may be more than one disconnect switch.

#### ⚠ CAUTION

##### UNIT COMPONENT DAMAGE HAZARD

Failure to follow this caution may result in equipment damage or improper operation.

Black Lead – Connect to HOT (L1) or EAC-1 when provided.  
White Lead – Connect to Neutral (L2) or EAC-2 when provided.  
Green/Ground Lead – Connect to Appliance Ground (Chassis).

- Ensure power has been removed from the heating and cooling system.
- Turn the air purifier power switch off.
- Connect the power cord to the power supply connector (see Fig. 9).
- Secure the power cord ground wire to the ground terminal on the cabinet using the screw provided in the ground terminal (see Fig. 9).
- Route the power cord through the nearest cabinet hole and protect with the enclosed cable connector. The screws on the cable connector should be tightened to 9 in-lb. Zip ties have been enclosed (in parts bag attached to power cord) to secure the power cord to the side of the power supply.

#### ⚠ CAUTION

##### SAFETY HAZARD

Failure to use the furnace EAC terminals to supply power to the air purifier during normal operation may result in personal injury or equipment damage.

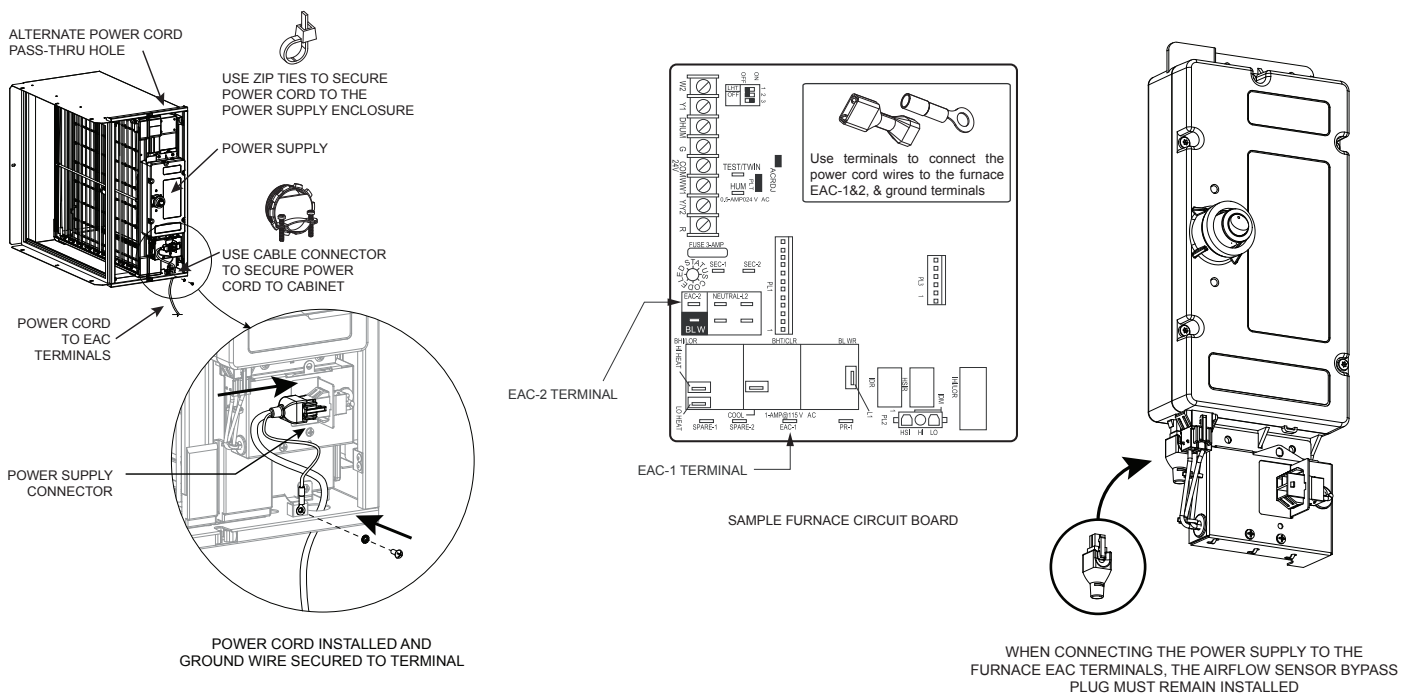


Fig. 9 - Air Purifier Electrical Connections

## WIRING (continued)

**NOTE:** The air purifier is to be powered by 115-230VAC/50-60 Hz input voltage.

**NOTE:** The air purifier must only be powered when airflow is present. The furnace control EAC spade connections provide power only when the furnace blower is operating. When connecting to EAC terminals, the airflow bypass plug must be installed for proper operation (see Fig. 9). If EAC connections are not available, contact your local HVAC distributor for alternative options.

## TROUBLESHOOTING

### If the air purifier shuts “OFF” during normal operations:

This condition could be caused by the power supply recognizing that there is something wrong in the air purifier. The power supply detects air purifier electrical faults and shuts off the high voltage for 50 seconds if such a fault is detected. If 4-6 faults have been detected, the power supply will shut OFF and remain OFF. The air purifier will not turn ON until the problem has been corrected by the user and the unit has been reset per the instructions below.

## WARNING

### ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before installing or servicing system, always turn off main power to system. There may be more than one disconnect switch.

### TROUBLESHOOTING TABLE (if purifier does not turn on when airflow is present):

POSSIBLE FAULT CAUSE	RECOMMENDED ACTION
ON/OFF power switch turned to OFF	Turn purifier power switch to ON position.
Power to entire system is OFF (fan coil and air purifier)	Check that the HVAC system is switched ON.
Blown fuse or tripped circuit breaker for HVAC system	Replace fuse or reset circuit breaker. Call for service if problem reoccurs.
Misaligned door or damaged purifier door	Insure that the door is undamaged and properly installed on a purifier cabinet. Replace door if damaged, available as a replacement kit.
Excessively dirty Filter Enhancement Module (FEM)	Clean/service air purifier unit.
Excessively dirty filter	Replace filter with only a genuine replacement filter.
Wet Filter Enhancement Module (FEM)	Call service to locate and eliminate the source of water in the air purifier. Verify the air purifier Filter Enhancement Module (FEM) and cabinet are clean and dry.
Wet filter	Call service to locate and eliminate the source of water in the air purifier. Verify the air purifier Filter Enhancement Module (FEM) and cabinet are clean and dry. Replace the filter with only a genuine replacement filter.
Damaged filter	Replace the filter with only a genuine replacement filter.
Damaged Filter Enhancement Module (FEM)	Replace the Filter Enhancement Module (FEM), available as a replacement kit.
Foreign object inside air purifier	Remove foreign object from the air purifier and insure the air purifier is clean and undamaged.

### To reset the air purifier power supply:

Switch power to the OFF position for 10 seconds or more and then switch to the ON position.