

**INSTALL THE AIR CLEANER CONTROL BASE**

Position the LED Base on the top of the Air Cleaner. If you have a plastic door latch on the top of the Air Cleaner position the LED Base right behind the latch (see **Diagram 1**).

If you **don't** have a plastic door latch on the top of the Air Cleaner position the LED Base close to the front edge (see **Diagram 2**).

**Note:** Leave 4-1/2" above LED Base to allow for installation of the Air Cleaner Control to LED Base.

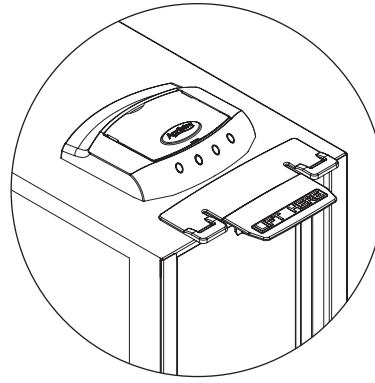
**CAUTION**

Remove filter assembly from Air Cleaner Housing before drilling LED Base mounting holes.

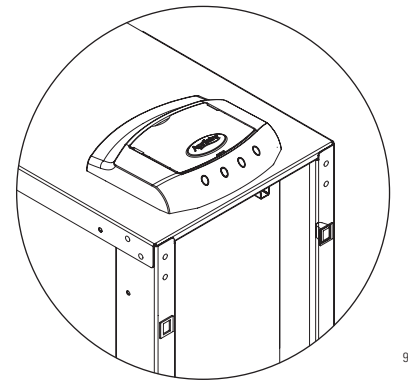
**LED BASE MOUNTING STEPS:**

1. Remove filter assembly from Air Cleaner.
2. Position LED Base on top of Air Cleaner centered as shown in **Diagrams 1 & 2**.
3. Remove cover from LED Base.
4. Mark the two mounting hole locations and drill 1/8" diameter holes.
5. Assemble the LED Base to the Air Cleaner with screws provided.
6. Replace the cover on the LED Base.

**DIAGRAM 1 – Models with Door Latch**



**DIAGRAM 2 – Models without Door Latch**



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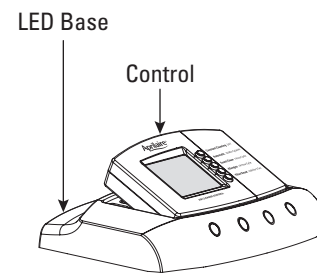
**INSTALL THE AIR CLEANER CONTROL**

The electronic controls (**Figure 1**) are used to circulate air through the air cleaner, monitor filter life and inform the user that the air is being cleaned. Users can turn on the blower for a set period of time or adjust it so that the blower is on, either as part of a heating/cooling call or blower only, for a set number of minutes per hour. This requires the Air Cleaner Control to be mounted in an accessible location, and requires 18-22 gauge (standard thermostat cable) wires to be run between the air cleaner components and the HVAC components.

**THE AIR CLEANER CONTROL CAN BE MOUNTED:**

- **Option 1 (see below):** near the thermostat.
- **Option 2 (see opposite side):** on the air cleaner in the LED Base.
- **Option 3 (see opposite side):** near the HVAC equipment.

**FIGURE 1 – Air Cleaner Control Components**

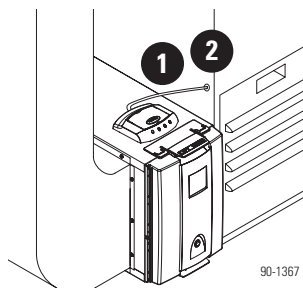


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**OPTION 1 – INSTALL THE AIR CLEANER CONTROL NEAR THE THERMOSTAT**

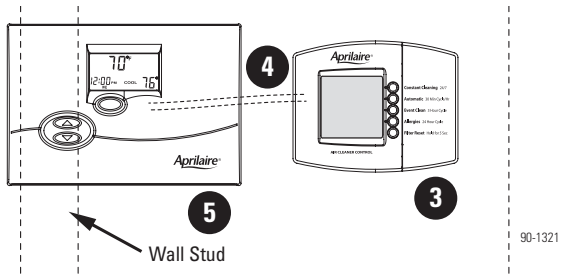
1. Run a 3-conductor cable between the LED Base and the low voltage controls of the HVAC equipment.
2. Remove the cover from the LED Base and wire the LED Base to the low voltage controls of the HVAC equipment as shown in **Diagram 3**. Replace the cover on the LED Base.
3. Remove the backplate from the Air Cleaner Control and install the backplate near the thermostat. Use the wire opening in the wall behind the thermostat to make sure there is not a wall stud between the thermostat and desired mounting location.
4. Run a 5-conductor cable between the thermostat and Air Cleaner Control.
5. Wire the thermostat to the Air Cleaner Control as shown in **Diagram 4** or **Diagram 5**. **Diagram 4** is for standard, single transformer systems; **Diagram 5** is for two-transformer systems such as radiant heat with forced air cooling. Replace the Air Cleaner Control on the backplate.

**FIGURE 2**



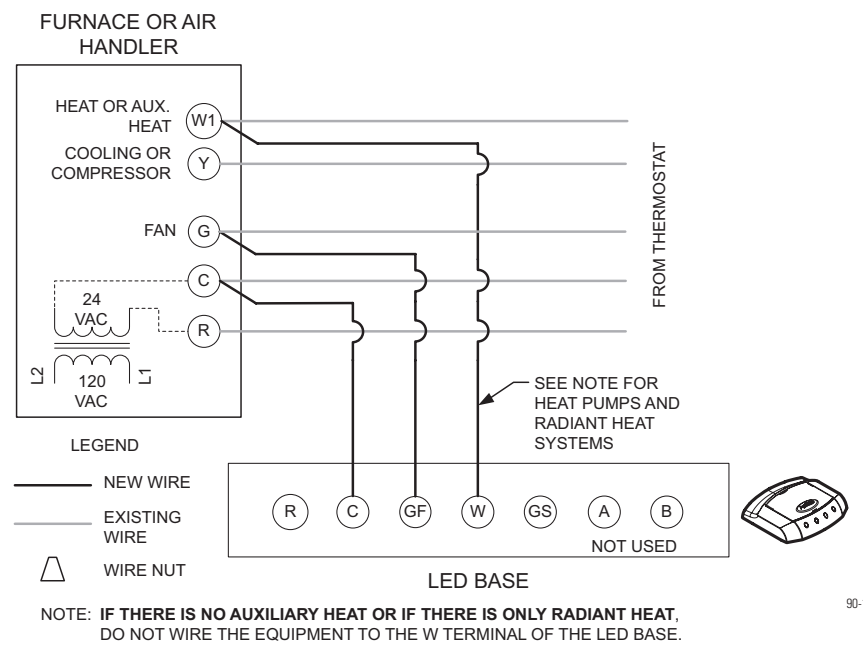
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**FIGURE 3**



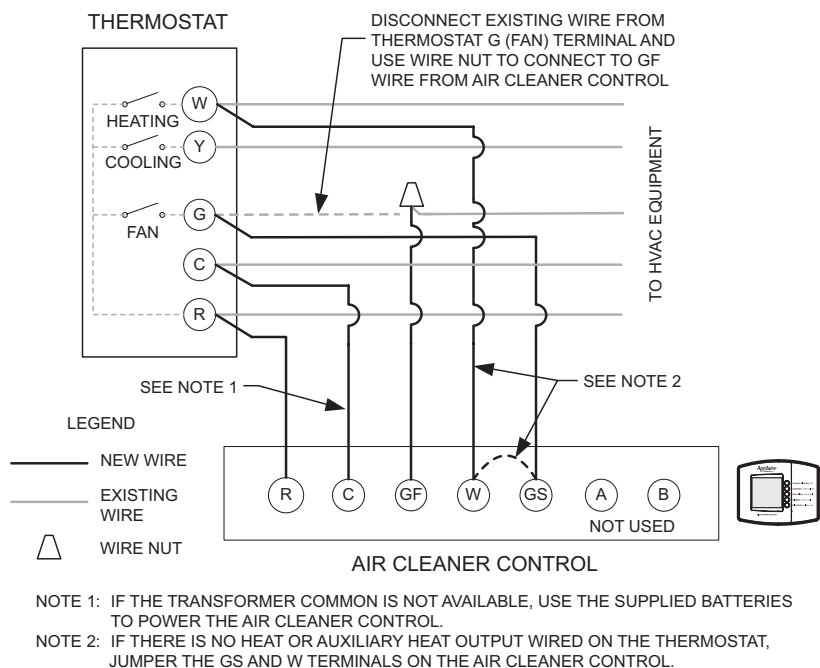
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**DIAGRAM 3 – Wiring the LED Base to the HVAC Equipment**



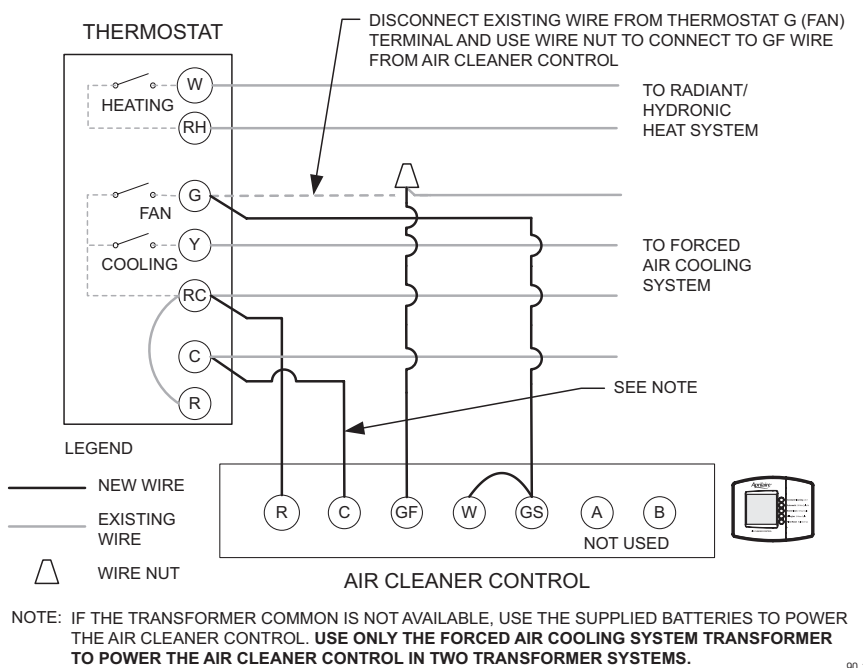
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**DIAGRAM 4 – Single Transformer Systems**



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**DIAGRAM 5 – Two Transformer Systems**



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## OPTION 2 – AIR CLEANER CONTROL MOUNTED ON THE AIR CLEANER

- 1 Run a 5-conductor cable between the LED Base and the low voltage controls of the HVAC equipment.
- 2 Remove the cover from the LED Base and wire to the low voltage controls of the HVAC equipment as shown in **Diagram 6**.
- 3 Connect the supplied cable to the Air Cleaner Control and LED Base then slide the Air Cleaner Control into place.

FIGURE 4

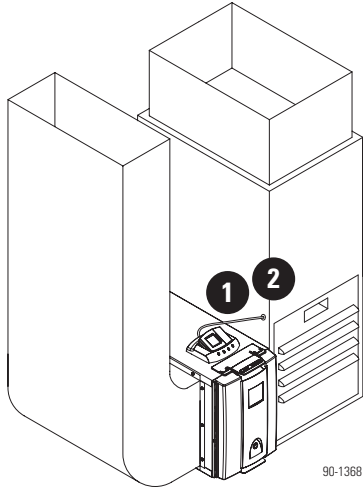


FIGURE 5

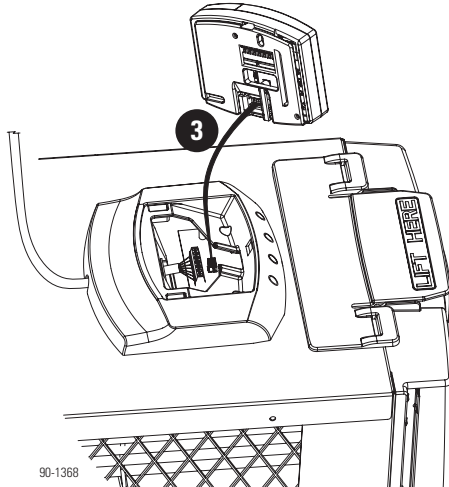
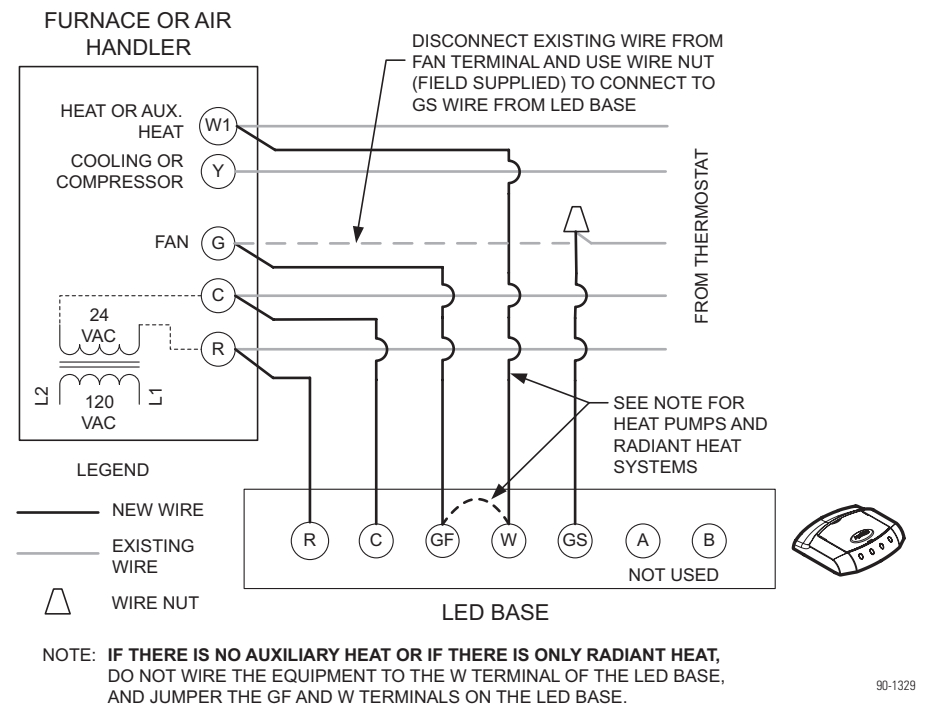


DIAGRAM 6 – Wiring the LED Base to the HVAC Equipment



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## OPTION 3 – INSTALL THE AIR CLEANER CONTROL NEAR THE HVAC SYSTEM

- 1 Remove the backplate from the Air Cleaner Control, and install the backplate at the desired location for the Air Cleaner Control. **Do not install the Air Cleaner Control on supply ductwork.**
- 2 Run a 5-conductor cable between the Air Cleaner Control and the LED Base.
- 3 Run a 5-conductor cable between the LED Base and the low voltage controls of the HVAC equipment.
- 4 Remove the cover from the LED Base and wire the Air Cleaner Control to the LED Base as shown in **Diagram 7**. Replace the Air Cleaner Control on the backplate.
- 5 Wire the LED Base to the HVAC equipment as shown in **Diagram 8**. Replace the cover on the LED Base.

FIGURE 6

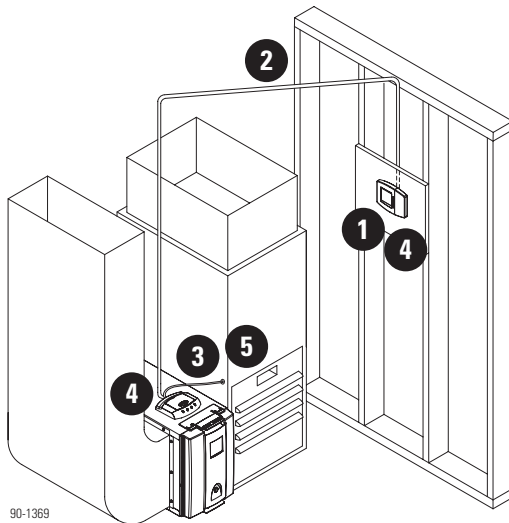
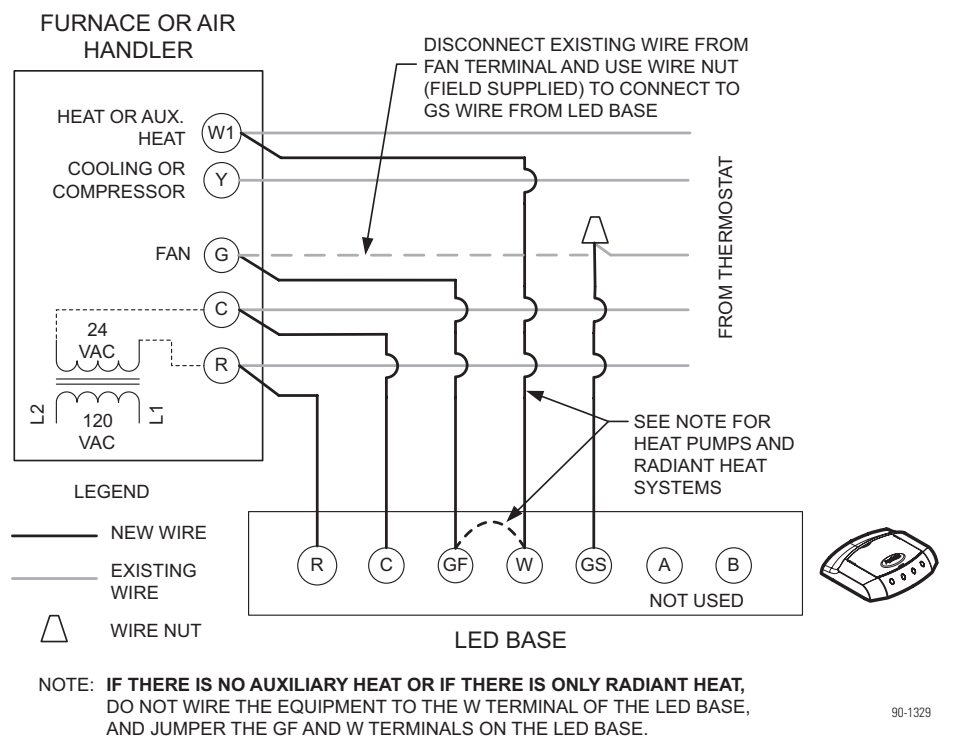
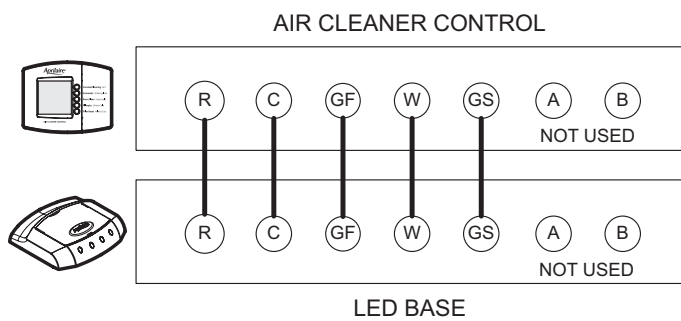


DIAGRAM 8 – Wiring the LED Base to the HVAC Equipment



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DIAGRAM 7 – Wiring the Air Cleaner Control to the LED Base



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## INSTALL THE AIR CLEANER CONTROL

### SET UP

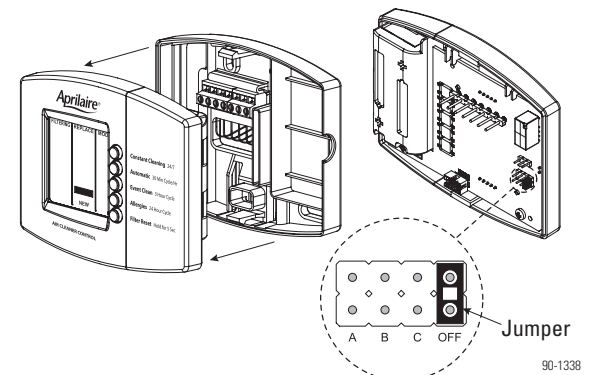
#### FILTER LIFE INDICATOR – SETTING THE REPLACEMENT FREQUENCY

Set the jumper on the back of the Air Cleaner Control circuit board, as shown in **Figure 7**, to the desired frequency for filter changes.

The factory default setting is OFF.

Jumper Position	Filter Change Setting
OFF	One calendar year (365 days)
A	6570 hours of use (9 months of continuous blower run time)
B	4380 hours of use (6 months of continuous blower run time)
C	2190 hours of use (3 months of continuous blower run time)

FIGURE 7



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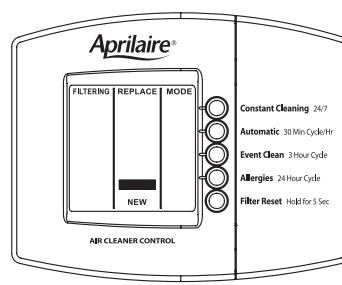
### START UP

1. Restore power to the HVAC equipment.
2. Set the thermostat mode to OFF and fan to AUTO.
3. The display on the Air Cleaner Control should look like **Figure 8**.
  - Verify that there is no activity in the "FILTERING" portion of the display.
4. Press the "Event Clean" button on the Air Cleaner Control.
  - Verify that the blower starts.
  - Verify that the "FILTERING" portion of the display sequences (**Figure 9**).
  - Verify that the LEDs on the LED base are sequencing on and off (**Figure 10**).
5. Press the "Event Clean" button again to cancel the operation.
6. Return the thermostat Mode and Fan to the desired setting.

Refer to the Owner's Manual for details on the operation of the Air Cleaner Control.

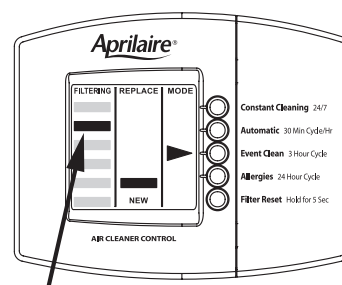
**Note:** LED backlight is constantly on when C terminal is connected. LED backlight is on for ten seconds when batteries are used and a button is pushed.

FIGURE 8



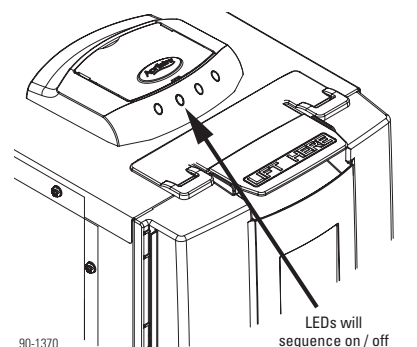
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FIGURE 9



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FIGURE 10



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