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Dallas, Texas, USA

AIR CLEANERS / FILTERS

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PureAir™ S Air Purification System

USER GUIDE FOR MODELS PCO3S-14-16, PCO3S-16-16 AND PCO3S-20-16

THIS MANUAL MUST BE LEFT WITH THE OWNER FOR FUTURE REFERENCE



Models

This guide is for the following PureAir™ S models:

Table 1. Unit Catalog Numbers

Model	Catalog Number
PCO3S-14-16	Y8905
PCO3S-16-16	Y8904
PCO3S-20-16	Y8903

Overview

For full feature benefits, the PureAir S must be used with an S30 Ultra Smart Thermostat and communicating indoor unit.

The iComfort S30 Ultra Smart Thermostat will require firmware version 3.4 or higher to take advantage of all of the PureAir S features.

New features available are:

- 4-wire connection to Lennox communicating indoor unit control
- Using sensors to:
 - > Automatically detect dirty air filter
 - > Display air filter life percentage
 - > Monitor UVA lamp operational state (On or Off).
 - > Display UVA lamp life percentage

! IMPORTANT

UVA lamp life is shortened when lamp is turned off and on. Power to unit must remain on at all times.

Do not interlock lamp operation with air handler blower operation.

! CAUTION

Ultraviolet (UVA) radiation risk.

Prolonged exposure may cause skin or eye damage.

Avoid prolonged (weeks) exposure to skin or eyes.

! WARNING

Risk of carbon monoxide poisoning.

Can cause injury or death.

Do not operate system unless access panel is in place and properly secured. Operation of this equipment without the access panel in place may cause exhaust fumes to be drawn into occupied spaces.

! IMPORTANT

Possible odor emissions. Chemical reactions may cause temporary odors after initial start-up or after lamp replacement. Odor may also be present after paint, cleaning solutions or hobby materials have been used in the conditioned space.

Some occupants may experience irritation or discomfort during this period. If the irritation or discomfort lasts longer than 48 hours you should contact your Lennox dealer.

! IMPORTANT

This system is NOT intended to be used for removal of active mold growth or continuous sources of high levels of chemicals in the air.

For existing mold growth, the mold must be properly removed PRIOR to installation of the **PureAir S** air purification system.

! IMPORTANT

Healthy Climate® Carbon Clean 16® Filter cannot tolerate direct exposure to UVA light.

Filter is protected by PCO cartridge insert shield.



507820-01

Improving Air Quality in the Home

The best indoor air quality can be obtained by using three strategies in your home environment:

- Eliminate sources of poor air quality;
- Ventilate the home properly;
- Monitor the indoor air quality to maintain a healthy home environment.

ELIMINATE SOURCES OF POOR AIR QUALITY

Identify and remove or reduce the sources of poor indoor air quality in the home. Pollutants which may affect indoor air quality include:

Dirt and Dust: Prevent filtration of dirty air and dust from unconditioned spaces (i.e. attics) into the HVAC system. Seal the ducts using mastic or aluminum foil tape along all joints. Use a vacuum cleaner equipped with a HEPA filter to permanently remove small dirt particles, rather than simply redistributing them, as is the case with a conventional vacuum cleaner.

Odors and Chemicals: Remove sources of odors and chemical contamination from the home and use products that minimize contaminant levels in the air. Lennox' PureAir S air purification system removes and destroys odors and chemicals.

Mold: Minimize mold by controlling moisture in the home. Prevent roof and water pipe leaks. Contact a contractor if your home develops a water leak.

Control the relative humidity in the home to keep it between 30 and 50 percent. Contact your Lennox dealer about products that reduce the humidity levels in the home [variable speed air handlers, furnaces and compressors, humidity controls and dehumidifiers].

If mold is in the home, it must be properly removed. After the mold has been removed, Lennox' PureAir S air purification system will help to remove mold spores from the air.

An accumulation of dirt and dust in the air ducts provides an ideal site for mold growth. To ensure optimal indoor air quality, non-porous insulation or externally insulated ducts should be used, particularly on the supply side (i.e. externally insulated metal plenums and ducts or smooth-lined flex duct are preferred). If your home has significant existing active mold growth, you should contact a company that specializes in mold removal.

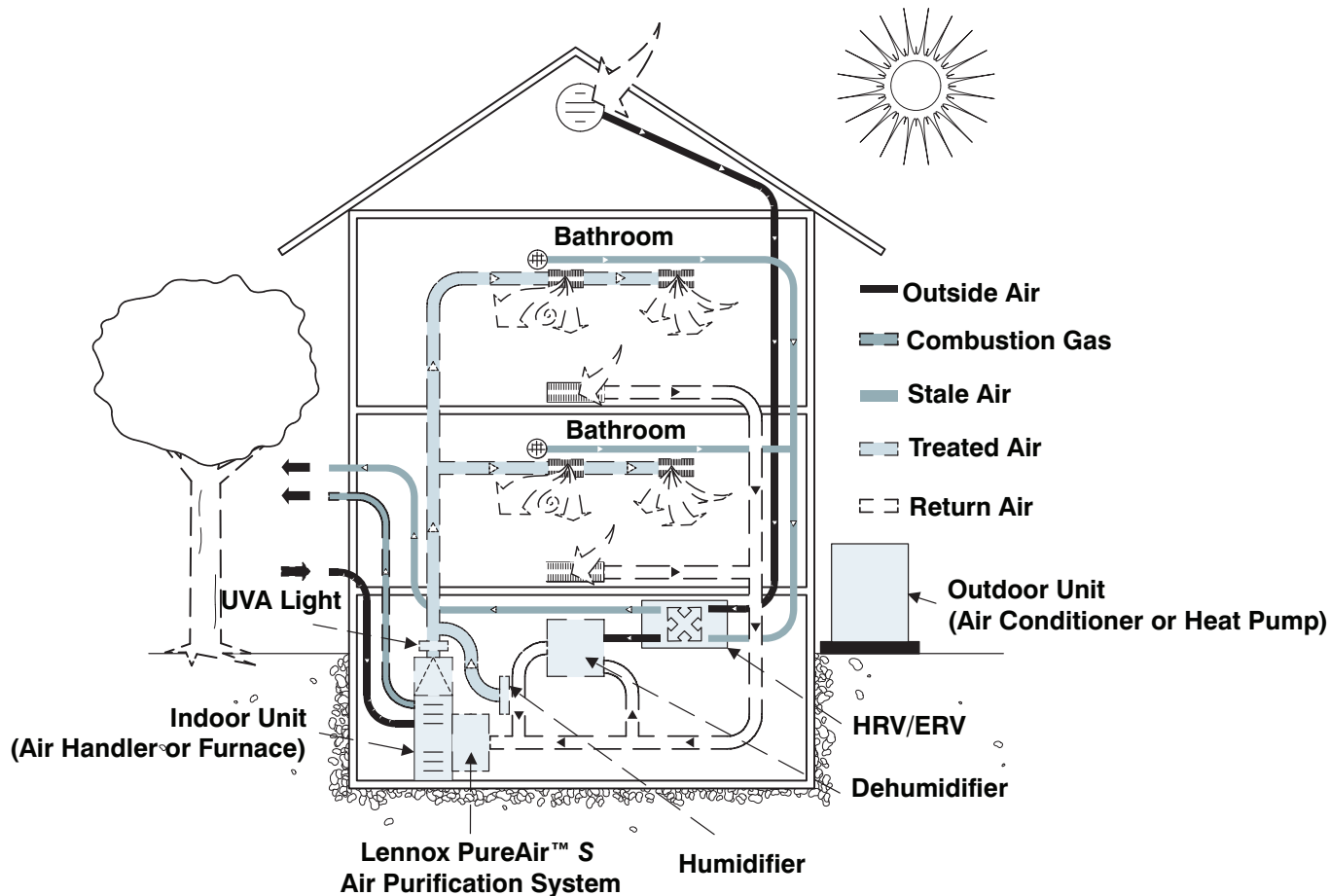
VENTILATE THE HOME PROPERLY

Contaminants in the home can be reduced by adequate ventilation. Open windows will allow natural ventilation; however, this is not a good option for people who are sensitive to pollutants in the outdoor air (pollens, chemicals, etc.). Lennox' Healthy Climate® Energy Recovery Ventilators, Heat Recovery Ventilators or Lennox Ventilation Control System provide filtered ventilation. If you, or someone in your family is sensitive to outdoor pollutants, ask your Lennox dealer about these products. Exhaust fans which vent stale or contaminated air to the outside should be installed in the kitchen, bathroom(s) and laundry areas to effectively remove contaminants. Clothes dryers should be vented to the outdoors also. If there is a sudden source of contamination in your home [caused by burned food, oven cleaner, paint or hobby work that releases chemicals (model airplanes, soldering, furniture refinishing, etc.)], the PureAir S air purification system WILL NOT reduce the odor immediately. In cases of sudden source contamination, open windows and doors to rapidly reduce the concentration of the contaminant.

ROUTINE MAINTENANCE

A healthy environment can be sustained ONLY with regular maintenance of the home and monitoring of the system.

Reminders are automatically displayed at the thermostat so there is no need to try and remember when the air filter needs replacing or the UVA bulb is out.



Note to Customer:
Please complete information below and retain for future reference.

Unit Model Number: _____

Serial Number: _____

Installing Contractor: _____

Date of Installation: _____

Phone: _____

Figure 1. Total Home Solution

Navigating S30 Thermostat Screens for PureAir S Operations

HOME SCREEN

The current **PureAir S** status is located along the left side of the screen where other system status indicators (air filter and UVA bulb) are located.

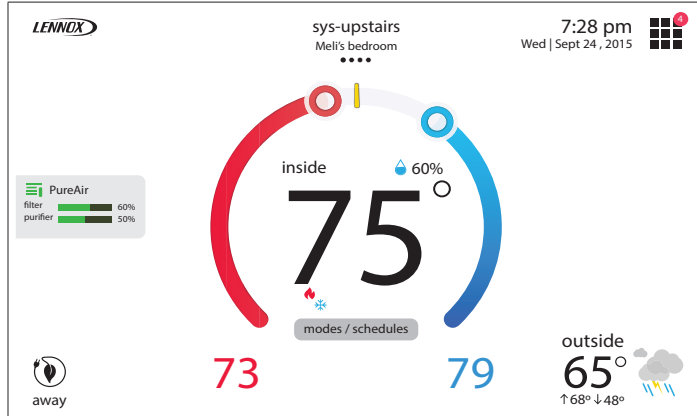


Figure 2. PureAir S Home Screen Status

Touching the **PureAir S** status indicator will bring up a **PureAir S Performance** status screen.



Figure 3. PureAir S Performance Status Screen

NOTE: Various pop-up screens will also appear when issues or reminders become active.

HOME SCREEN DISPLAY SETTINGS

Go to **menu > settings > display** and locate the setting for **PureAir S Life**. Factory default is set to ON. When set to ON, filter and purifier life percentages are displayed on the home screen.

NOTE: Purifier life refers to the UVA Lamp / PCO cartridge insert.

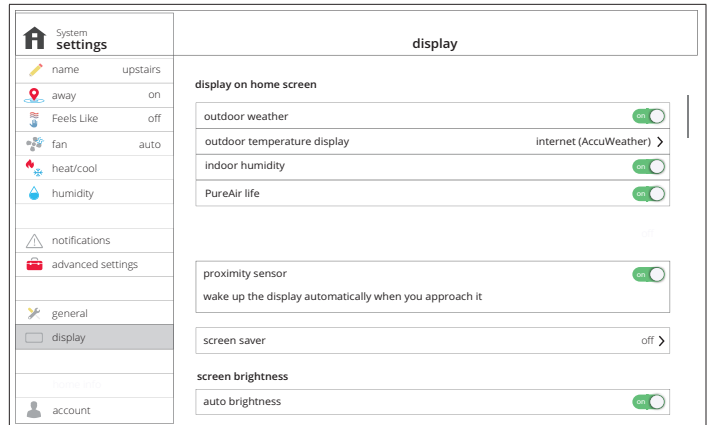


Figure 4. Enable Display on Home Screen

NOTIFICATIONS SCREEN

When any active alerts or notifications are present, the information is available under **menu > notifications**. Items available are alerts, warnings, reminders and info.

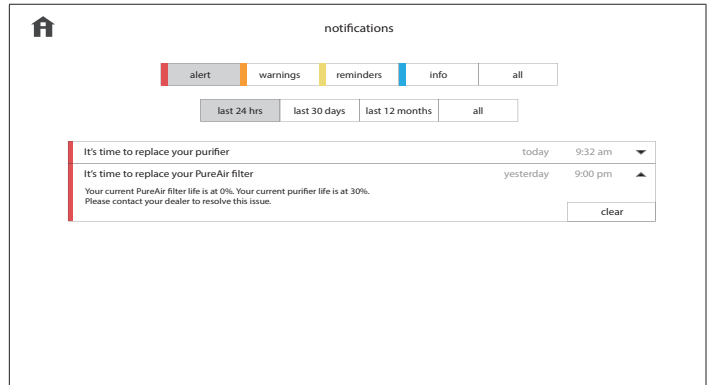


Figure 5. Notifications

SET REMINDERS SCREEN

Go to **menu > settings > notifications - reminders**.

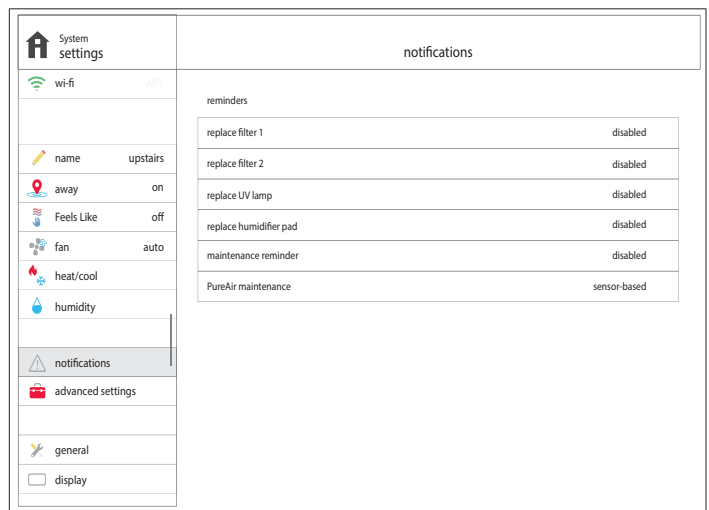


Figure 6. Notification - Reminders Screen