

iO-FCA Filter Alert Installation Manual

Introduction:

The iO-FCA Filter Alert helps to maintain design airflow, static pressure, and air quality by providing an audible and visual warning when your HVAC filter gets dirty and needs to be changed.

Principle of Operation:

As the filter gets dirty, the efficiency drops off, and the HVAC system static pressure increases. The iO-FCA Filter Alert monitors the increase in pressure and alerts the end-user to change their filter when necessary.

Installing The Filter Alert:

1. Install with a clean new filter. Mount the Filter Alert vertically.
2. Insert the negative pressure probe of the Filter Alert between the filter and the blower.
3. Insert the positive pressure probe of the Filter Alert in the return air duct before the filter.
4. Remove the cover to wire 24VAC to their respective terminals on the Filter Alert.
5. Set the HVAC unit to its maximum cooling setting.
6. Turn the Filter Alert adjustment knob all the way to the right (maximum pressure setting)
7. Slowly turn the knob to the left (towards minimum pressure setting) until the Filter Alert starts beeping and blinking red.
8. Turn the knob to the right to increase setpoint by 0.1 inch of water column and until it stops beeping.

Note: If you notice that the filter is still clean, and you want to stretch the filter use longer, feel free to turn the knob to the right to increase the setpoint further.

Keep in mind that resistors near the terminals may get warm, please wire and install accordingly.

If this alarm goes off that means your filter needs changed.

1. Press the button to mute the alarm.
2. Change your filter.
3. Press the button to unmute the alarm.

Call your HVAC contractor if you need assistance.

The iO-FCA Filter Alert comes with a label that should be placed next to the device. The label has space for the name of the contractor and contact information.

