

ILTER **PULSE**



BATTERY POWERED MODELS





INSTRUCTIONS FOR BATTERY POWERED UNITS

SET-UP

1. Remove battery door on back of enclosure and connect 9 volt battery. Attach to HVAC unit with either 2 screws (with washers) or provided velcro. Re-install battery door cover. Depending on filter type and personal preference, the Alarm Sensitivity Adjustment Dial may need to be adjusted. See Alarm Sensitivity Adjustment section below for details.
2. Install sensor bracket into filter holding tray (or filter retainer return air grill) located in return air duct. For optimal performance, position bracket so direction of airflow moves from short to tall side of bracket (See Sensor Bracket Diagram). Connect the sensor bracket cable to the enclosure box (See Side View Diagram).
3. Insert a clean filter into the tray. Ensure the filter's cardboard frame does not block the line-of-site between the transmitter and receiver of the bracket. If path is blocked, trim the edges of the cardboard on the filter. (See Sensor Bracket Installation Diagram)
4. Press the Reset switch on enclosure. (See Front View Diagram) Sensor will beep for 10 seconds while calibrating. If the calibration is successful, the beeping will cease and alarm is properly working. If unsuccessful, the beeping will repeat. If calibration failure, reposition filter. Also, review line-of-site between transmitter and receiver on the sensor bracket and ensure no cardboard blockage from filter. Restart process by pressing the Reset switch. After proper clean filter calibration, do not move filter or bracket to assure accurate performance over the operational life of the filter. Note: If calibration still does not succeed after ensuring proper alignment, the Three Position Switch may need to be adjusted. (See Three Position Switch section)

ALARM SENSITIVITY ADJUSTMENT

To accommodate user preferences, a sensitivity adjustment is provided. This dial, located internally on the board, varies the dirty filter alarm response level. Remove cap from front of case with a small flathead screw driver. Gently turn clockwise to extend time until an alarm, or counter clockwise for quicker alarm. (See Internal View). The higher the MERV rating of installed filter the further clockwise dial may need to be set. If an alarm activates sooner than desired, simply turn CW slightly to extend to a new desired alarm point.

THREE POSITION SWITCH

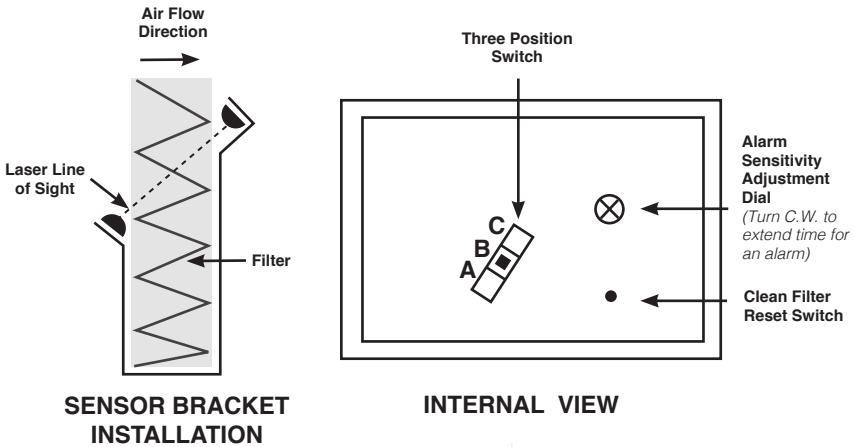
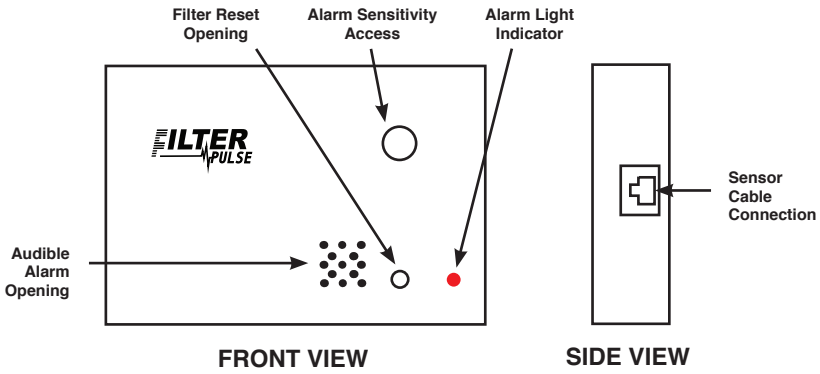
To accommodate all densities and thicknesses of various brands of filters, adjustment of the Three Position Switch may be necessary. For low-end, minimally dense filters move switch to position A. For denser filters, position C may be necessary.

USAGE

10 Audible Beeps = Dirty Filter → Replace with Clean Filter

2 Audible Beeps = Low Battery → Replace Battery

DIAGRAMS





Sensor bracket installed in air handling unit filter tray.



Sensor bracket installed on 2 inch filter.



Sensor bracket installed on 4 inch filter.

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