

FILTERSCAN® WiFi Air Filter Monitor & Notification System

Helps You Manage Large or Multiple Facilities

Cleaning or replacing air filters at the right moment will keep your facilities' heating and air conditioning equipment running at its peak efficiency while extending the life of your HVAC systems. Waiting too long allows air filters to become clogged, potentially leading to more serious and costly problems, where service charges can exceed \$2,000.

The **FILTERSCAN® WiFi** Air Filter Monitor utilizes patented differential pressure technology to monitor air filter clogging status. In addition to providing local, text and e-mail alerts, it is compatible with single and multi-speed blower HVAC systems and most VAV (Variable Air Volume) systems, and can be used with a wide variety of air filters.

Increase Revenue with Remote Air Filter Monitoring

- Lower your maintenance costs
- Reduce your energy costs
- Eliminate the number one cause of HVAC system failures: clogged air filters
- Maintain IAQ by preventing the build-up of mold and other allergens in your air ducts due to inadequate air flow caused by clogged air filters
- Keep track of air filter maintenance with our sophisticated reports
- Configurable text and e-mail alerts are provided by the cloud-based **AirFilterSentry** notification system



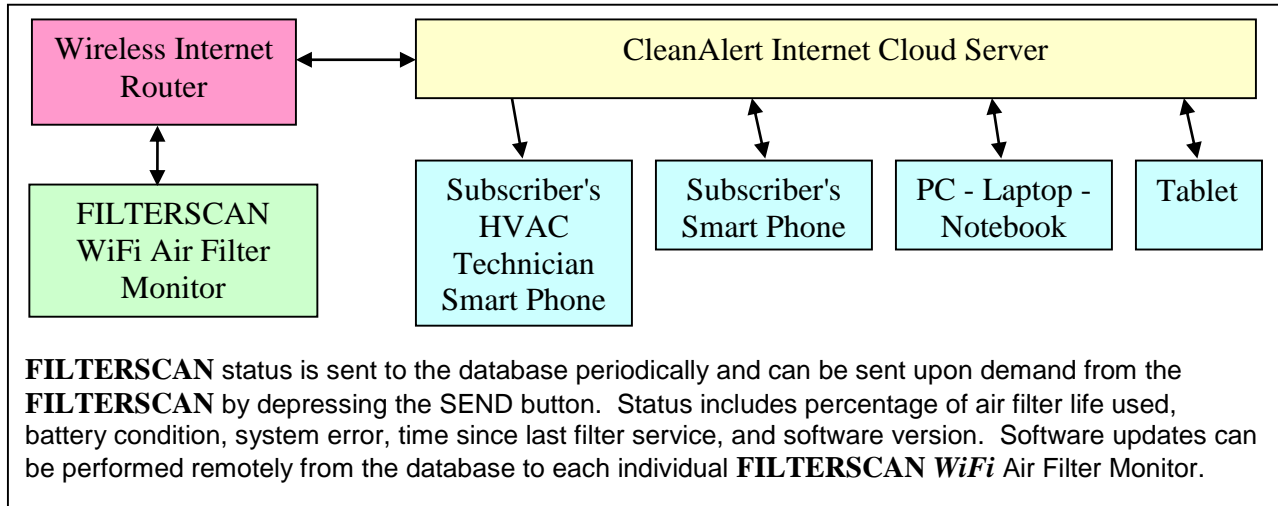
CleanAlert Air System Efficiency Monitors		Joe Smith ... Smith's HVAC ... jsmith@smithshvac.com ... Manager ... Log out					
AirFilterSentry Notification System							
Home	Monitor	Contractor	Filter Status	SMS/Email Test	Account	Register a Product	
FILTERSCAN ID/Location	% Clogged	Battery	Status	Filter Age	Last Update		
Admin Building: HVAC #1	3% 0 60 100 255	OK	OK	1	01/05/2015 15:10 PM		
Admin Building: HVAC #2	0% 0 60 100 255	OK	Calibrate	1	11/18/2014 03:30 PM		
Condo Building #1: HVAC #1	71% 0 60 100 255	OK	OK	47	11/18/2014 11:52 AM		
Condo Building #1: HVAC #2	0% 0 60 100 255	OK	OK	111	12/16/2014 05:18 PM		
FM PR-S Building #17: HVAC #1	83% 0 60 100 255	OK	OK	84	01/05/2015 03:10 PM		
FM PR-S Building #17: HVAC #2	44% 0 60 100 255	OK	OK	36	01/05/2015 03:10 PM		
FM PR-S Building #17: HVAC #3	86% 0 60 100 255	OK	OK	51	01/05/2015 02:16 PM		
FM PR-S Building #17: HVAC #4	12% 0 60 100 255	OK	OK	31	01/05/2015 02:17 AM		
Garage: System #1	21% 0 60 100 255	OK	OK	91	01/12/2015 12:05 PM		

[Home](#) [Privacy Policy](#) [Terms](#)
 ©2014-2015 by CleanAlert, LLC · All rights reserved.

Did you know that a clogged air filter*

- Reduces the overall air flow in your building
- Blocks the cooling coil, reducing effectiveness
- Increases the operating cost of your HVAC system
- Causes dirt to accumulate on the fan blades, increasing energy costs
- Leads to frost build up on the cooling coil or total blockage of air flow
- Permits dirt to bypass the filter, where it soils and blocks the blower fan
- Fails to capture contaminants, leading to poor indoor air quality in your building
- In extreme cases, can even be sucked into the blower assembly
- Causes excessive dirt build up in your air duct system leading to mold or allergen problems

* Dirty filters are the primary cause of HVAC equipment failure (diamondcertified.org/report/valley-heating-cooling-electrical-0/article/make-sure-you-choose-the-right-air-filters-for-your-hvac-system).



Specifications

Power Requirements:	Model FS-245-B: Four included AA batteries, or optional CA-360 6 VDC wall adapter (Battery life approximately one year) Model FS-245-C: 15 to 24 VAC/DC @ 250 mA max via conduit
Differential Pressure Range:	Near zero to 4.0" w.c.
Clog Filter Trigger Point:	1.5 to 2 times initial differential pressure (at the recommended setting on the SERVICE FILTER control)
Insertion Depth into Duct:	Does not extend into duct
Local Alert Output:	Audible Beeper and LED indication
Wired Output:	Pulsing 0 V to 5 VDC @ 18 mA max upon clog or low battery alert
Relay Output:	Optional one form C dry contact @ 500 mA max – Model FS-245-C
Text & E-Mail Notification**:	User configurable SMS text messaging and e-mail
Indicators:	Green / Yellow / Red Status LED and audible beeper
Electrical Connections:	Power - 2.5mm barrel jack mates to wall adapter: Model FS-245-B, or Power - Conduit into terminal block, 14-30 AWG: Model FS-245-C Output - Conduit into terminal block, 14-30 AWG: Model FS-245-C
Temperature Range:	32° to 122° F (0° to 50° C), Operating -40° to 257° F (-40° to 125° C), Storage
Humidity:	80% RH, Non-condensing
WiFi:	2.4-GHz IEEE 802.11b/g compatible
WiFi Authentication:	Secure using WPA-PSK (TKIP), and WPA2-PSK (AES)
Monitor Dimensions:	6" x 4 5/8" x 1 1/2"



** Requires subscription to AirFilterSentry Notification Service, Internet connection, and wireless router.

Specifications are subject to change without notice.

Model Number	Description
FS-245-B	FILTERSCAN, WiFi Battery or Adapter Operated
FS-245-C	FILTERSCAN, 15 to 24V AC/DC Operated
CA-360	Adapter, 6.0 VDC
CA-4DP	Kit, Tubing, Differential Mounting

