

# 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





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

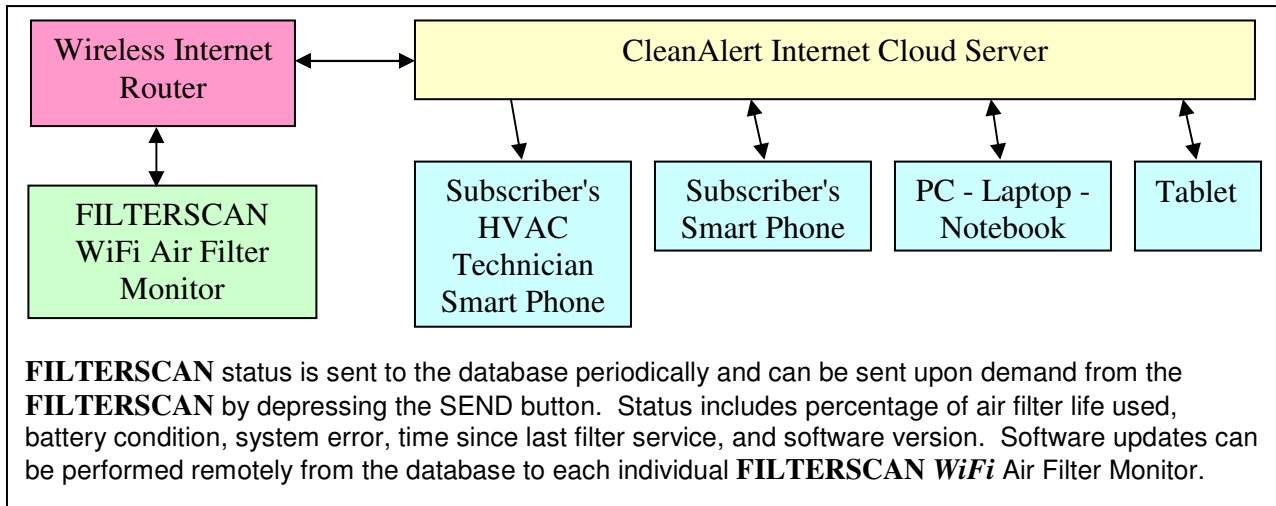
FILTERSCAN ID/Location	% Clogged	Battery	Status	Filter Age	Last Update
Admin Building: HVAC #1	<div style="width: 3%; background-color: green; height: 10px;"></div> 3%	OK	OK	1	01/05/2015 15:10 PM
Admin Building: HVAC #2	<div style="width: 0%; background-color: green; height: 10px;"></div> 0%	OK	Calibrate	1	11/18/2014 03:30 PM
Condo Building #1: HVAC #1	<div style="width: 71%; background-color: green; height: 10px;"></div> 71%	OK	OK	47	11/18/2014 11:52 AM
Condo Building #1: HVAC #2	<div style="width: 0%; background-color: green; height: 10px;"></div> 0%	OK	OK	111	12/16/2014 05:18 PM
FM PR-S Building #17: HVAC #1	<div style="width: 83%; background-color: green; height: 10px;"></div> 83%	OK	OK	84	01/05/2015 03:10 PM
FM PR-S Building #17: HVAC #2	<div style="width: 44%; background-color: green; height: 10px;"></div> 44%	OK	OK	36	01/05/2015 03:10 PM
FM PR-S Building #17: HVAC #3	<div style="width: 86%; background-color: green; height: 10px;"></div> 86%	OK	OK	51	01/05/2015 02:16 PM
FM PR-S Building #17: HVAC #4	<div style="width: 12%; background-color: green; height: 10px;"></div> 12%	OK	OK	31	01/05/2015 02:17 AM
Garage: System #1	<div style="width: 21%; background-color: green; height: 10px;"></div> 21%	OK	OK	91	01/12/2015 12:05 PM

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## 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](http://diamondcertified.org/report/valley-heating-cooling-electrical-0/article/make-sure-you-choose-the-right-air-filters-for-your-hvac-system)).



## Specifications

<b>Power Requirements:</b>	Model FS-245-B: Four included AA batteries, or optional CA-360 6 VDC wall adapter Model FS-245-C: 15 to 24 VAC/DC @ 250 mA max via conduit
<b>Differential Pressure Range:</b>	Near zero to 4.0" w.c.
<b>Local Alert Output:</b>	Audible Beeper and LED indication
<b>Wired Output:</b>	Pulsing 0 V to 5 VDC @ 18 mA max upon clog or low battery alert
<b>Relay Output:</b>	Optional one form C dry contact @ 500 mA max – Model FS-245-C
<b>Text &amp; E-Mail Notification**:</b>	User configurable SMS text messaging and e-mail
<b>Indicators:</b>	Green / Yellow / Red Status LED and audible beeper
<b>Electrical Connections:</b>	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
<b>Temperature Range:</b>	32° to 122° F (0° to 50° C), Operating -40° to 257° F (-40° to 125° C), Storage
<b>Humidity:</b>	80% RH, Non-condensing
<b>WiFi:</b>	2.4-GHz IEEE 802.11b/g compatible
<b>WiFi Authentication:</b>	Secure using WPA-PSK (TKIP), and WPA2-PSK (AES)
<b>Monitor Dimensions:</b>	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



Contains FCC ID Number: T9J-RN171

Contains IC Certification/Registration Number IC: 6514A-RN171

Contient IC Certification / d'enregistrement les IC: 6514A-RN171

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