CleanAlert
Air System Efficiency Monitors

FILTERSCAN® *WiFi* Air Filter Monitor & Notification System

Air Filter Monitoring is Vital to HVAC Systems

Cleaning or replacing the air filter at the right moment will keep your heating and air conditioning system running at its peak efficiency while extending the life of your unit. Waiting too long allows the air filter to become clogged, potentially leading to even more serious and costly problems down the road, where service charges can exceed $2,000.

The **FILTERSCAN**® *WiFi* Air Filter Monitor utilizes patented differential pressure methods 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.
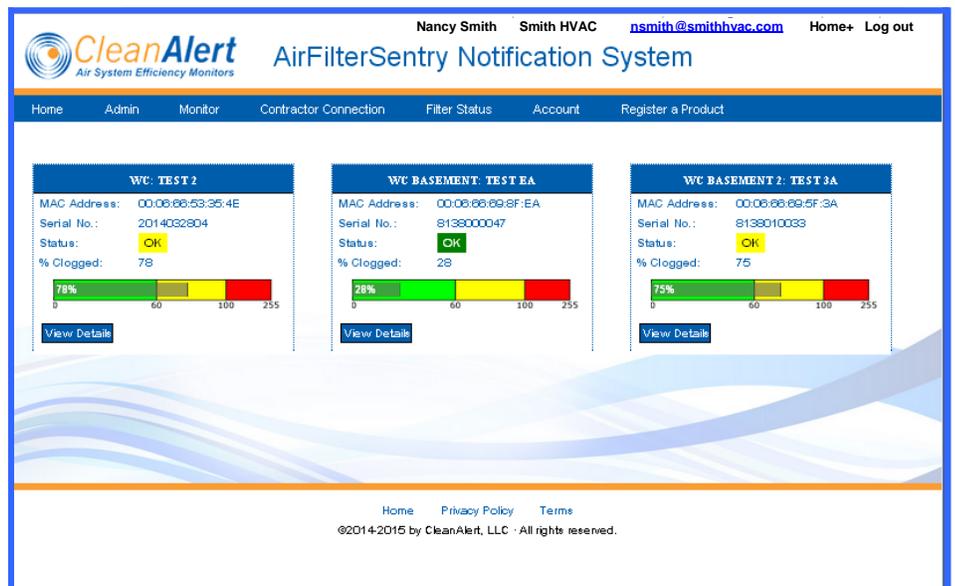
FEATURES

- Automatic air filter monitoring
- Local visual and audible alerts
- Internet-enabled notification system
- Configurable text and e-mail alerts
- Periodic and on-demand filter status as both a percentage of usage and a sliding color-coded scale
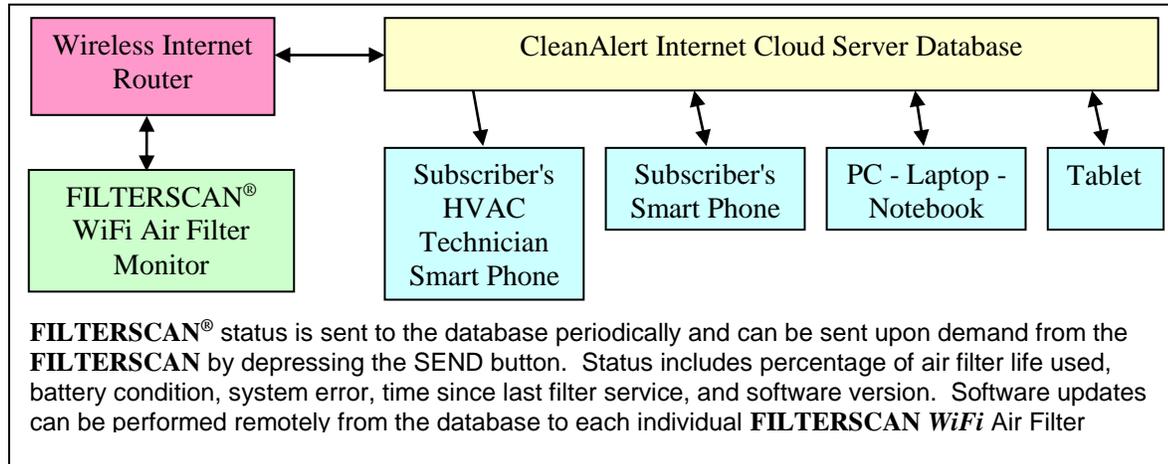- Easy WiFi network connection

APPLICATION EXAMPLES

- Residential HVAC systems
- Commercial HVAC systems
- Single or multi-speed systems

Nancy Smith   Smith HVAC   nsmith@smithhvac.com   Home+ Log out

CleanAlert
Air System Efficiency Monitors
AirFilterSentry Notification System

Home   Admin   Monitor   Contractor Connection   Filter Status   Account   Register a Product

WC: TEST 2	WC BASEMENT: TEST EA	WC BASEMENT 2: TEST 3A
MAC Address: 00:06:66:53:35:4E	MAC Address: 00:06:66:69:8F:EA	MAC Address: 00:06:66:69:5F:3A
Serial No.: 2014032804	Serial No.: 8138000047	Serial No.: 8138010033
Status: OK	Status: OK	Status: OK
% Clogged: 78	% Clogged: 28	% Clogged: 75
78%	28%	75%
View Details	View Details	View Details

Home   Privacy Policy   Terms

HVAC Service Alert! Basement air filter service needed.

Did you know that a clogged air filter*

- Reduces the overall air flow in your home
- Blocks the cooling coil, reducing effectiveness
- Increases the operating cost of your HVAC system
- Causes dirt to accumulate on the fan blades, increasing your 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 home
- In extreme cases, can even be sucked right into the blower assembly
- Causes excessive dirt build up in your air duct system leading to mold or allergen problems

* A study of 40,000 homes by the City of Tallahassee, Florida, found the second most common reason for high summer electric utility bills (the most common reason being an incorrect "fan" setting) was a clogged air filter (floridapsc.com/publications/consumer/brochure/113CausesHighSummerUtilityBills.pdf). Furthermore, 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-filtersfor-your-hvac-system).

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│ Wireless Internet│ ◄───────► │     CleanAlert Internet Cloud Server Database     │
│     Router       │           └──────────────────────────────────────────────────┘
└─────────────────┘                  │           │           │           │
         ▲                           ▼           ▼           ▼           ▼
         │                     ┌──────────┐┌──────────┐┌──────────┐┌──────────┐
┌─────────────────┐           │Subscriber's││Subscriber's││PC-Laptop-││  Tablet  │
│   FILTERSCAN®    │           │   HVAC    ││  Smart    ││ Notebook ││          │
│ WiFi Air Filter  │           │Technician ││  Phone    ││          ││          │
│    Monitor       │           │Smart Phone││          ││          ││          │
└─────────────────┘           └──────────┘└──────────┘└──────────┘└──────────┘
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FILTERSCAN® status is sent to the database periodically and can be sent upon demand from the **FILTERSCAN** by depressing the SEND button. Status includes percentage of air filter life used, battery condition, system error, time since last filter service, and software version. Software updates can be performed remotely from the database to each individual **FILTERSCAN** *WiFi* Air Filter

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 contact set @ 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 AC 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:	32º to 122º F (0º to 50º C), Operating
	-40º to 257º F (-40º to 125º 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	

RoHS COMPLIANT

Contains FCC ID Number: T9J-RN171
Contains IC Certification/Registration Number IC: 6514A-RN171
Contient IC Certification / d'enregistrement les IC: 6514A-RN171

FSWiFiPIS151113