

CENTRAL AIR MONITOR

In-duct monitor integrates with forced air HVAC systems to track indoor air quality.



Individually calibrated for reliable performance



WiFi-connected with secure cloud storage



Simple install process, with in-app guide



Rich software ecosystem to interact with the data (mobile & web apps)



Solid state design reduces maintenance requirements



Exclusive to the Pro Channel



TECH SPECS | HAVEN™ CENTRAL AIR MONITOR

REQUIREMENTS

INSTALLATION

Suitable for round and rectangular ducts

Compatible with rigid, flex & ductboard materials

Min. 24" away from duct bends

Probe must be perpendicular to airflow

Angle of device relative to airflow needs to be < 10°

Mobile device running the HAVEN IAQ app (iOS & Android) to connect device to WiFi network

CONNECTIVITY

Provisioning: Bluetooth LE

Transmission: 2.4GHz b/g/n WiFi

Security: WEP, WPA/WPA2

Communication interval: 1x every 5 minutes

POWER*

Wired: 24V AC; 14-22AWG

Power consumption: 2W

OPERATING CONDITIONS

[For indoor use only]

Temperature: 23-122°F / -5-50°C

Humidity: 0-95% non-condensing

HAVEN INTEGRATIONS

CENTRAL AIR CONTROLLER

Works with the HAVEN Central Air Controller to automate HVAC equipment to improve indoor air quality

DETECTION

PARTICLES

Laser light scattering technology

Reporting parameter: PM2.5 mass concentration

Range: 0µg/m³ to 1000µg/m³

Resolution: 0.1µg/m³

Precision: > 0.94 (*R2 compared to research-grade instrumentation)

Repeatability: > 90%

CHEMICALS (tVOC)

Range: 0-1200ppb

Resolution: 1ppb

Units: parts per billion and Equivalent Mass Concentration (µg/m³)

Precision: 0.99 (*R2 compared to research-grade instrumentation)

Repeatability: > 90 %

TEMPERATURE

Range: 32-122°F / 0-50°C

Precision: ± 3.6°F / 2°C

RELATIVE HUMIDITY

Range: 5-95%

Precision: ±3%

* Power Supply not included

INTERACTIVITY

LED

LED indicates its current state (e.g. connecting to WiFi, sending telemetry, WiFi connection issue)

HAVEN IAQ APP

Available for iOS and android

Allows homeowners to monitor their air quality data

Notifies user when there are filtration and ventilation events that cross set thresholds

ABOUT

MATERIAL

Glossy PC ABS plastic housing; copper stamped emboss and laser etched artwork

MOUNTING PLATE

Dims: 2.6" x 3.3" x 0.6"

Weight: 26g / 0.9oz

PROBE

Dims: 8.6" x 1.2" x 0.9"

Weight: 71 g / 2.45oz

ADDITIONAL INFO

Availability: Pro channel

Warranty: 2 year

Lifetime: up to 10 years

Interested in HAVEN?
Get in touch.



prosupport@haveniaq.com



1-833-4-IAQ-PRO
(or 1-833-442-7776)



HAVENIAQ.COM



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HAVENProIAQ



HAVEN IAQ

CENTRAL AIR CONTROLLER

Automates HVAC
equipment to improve
indoor air quality



Works with the HAVEN
Central Air Monitor, using
IAQ sensor data to automate
HVAC equipment



Control and schedule
filtration, ventilation and de/
humidification equipment
based on Monitor data to
optimize IAQ



Rich software ecosystem to
interact with the data
(mobile & web apps)



Exclusive to the
Pro Channel



TECH SPECS | HAVEN™ CENTRAL AIR CONTROLLER

REQUIREMENTS

INSTALLATION

The blower fan on most central air handlers can be controlled using the terminals R & G. For installation on other equipment types, please refer to installation instructions on our website/in the Pro Portal

Mobile device running the HAVEN IAQ app (iOS & Android) to connect device to WiFi network

CONNECTIVITY

WiFi: 2.4 GHz 802.11 b/g/n

Connectivity: WPA / WPA2, Open

Bluetooth: 4.2 Low Energy

Communication interval: 1x every 10 seconds

POWER

The Controller contains electronics that require constant 24V power. Power can be supplied by the central air handlers terminals R & C. Alternatively, power can be supplied from a separate 24V transformer.

Wired: 24 V AC; 16 - 24 AWG

Power consumption: 1 W

IO RATING

Rated current: 2A max per channel.

Rated voltage: 24VAC max

OPERATING CONDITIONS

[For indoor use only]

Temperature: -5-50°C / 23-122°F

Humidity: 0-95% non-condensing

HAVEN INTEGRATIONS

CENTRAL AIR MONITOR

The Controller activates HVAC equipment, based on the data being tracked by the Monitor.

OTHER EQUIPMENT

Allows overrides of schedules

INTERACTIVITY

LED

RGB LED indicates the current device state (e.g. connecting to WiFi, system error).

Two further green LEDs indicate the port states.

HAVEN IAQ APP

Available for iOS and Android

Allows homeowners to set HVAC fan schedule and automate connected equipment (e.g. ERV, HRV, dehumidifier)

Notifies user when filter change is required

ABOUT

MATERIAL

Glossy PC ABS plastic housing; copper stamped emboss and laser etched artwork

DEVICE

Dims: 5.5" x 1.37" x 0.78"

Weight: 45.32g / 1.59oz

CONSUMER DETAILS

Availability: Pro channel

Warranty: 2 year*

Lifetime: up to 10 years

* Lifetime warranty available. Ask for details.

Interested in HAVEN?
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