

Specification Sheet



Model ZAWTHCPV Healthy Air Monitor



Specifications

Power	120 V 60 Hz 5V 1A USB-C (included)
Wi-Fi Compatibility	2.4 GHz
Provisioning	Bluetooth LE
Operating Conditions	Recommended: 50°F to 105°F & 20% to 80% RH non-condensing Maximum/Minimum: 15°F to 122°F & 0% to 90% RH non-condensing
Storage Conditions	-40°F to 158°F & 0% to 95% RH non-condensing
Warranty	3 Year

Sensor Detection

Temperature Accuracy	32°F to 99°F: +/- 2°F 60°F to 80°F: +/- 1°F
Humidity Accuracy/Range	Accuracy: +/- 6% RH Range: 0 to 95% (non-condensing)
Particulate Matter 2.5 Accuracy/Range	Accuracy: +/- (5µg/m³ and 5% measured value) Range: 0-100 µg/m³ Accuracy: +/- 10% measured value Range: 100-1000 µg/m³
TVOC Accuracy/Range	Accuracy: The monitor will achieve +/- 20% variation from device to device when tested with a specified VOC gas mixture. Range: 1 to 500 VOC Index
CO ₂ Accuracy/Range	Accuracy: +/- (50 + 3% measured value) ppm Range: 0 to 5000 ppm

The monitor requires 7 days to calibrate TVOC and CO₂ after first being powered on.

Features

Better Sensing

- Uses EPA guidelines combined with proprietary algorithms to provide a more complete view of Indoor Air Quality
- 5-in-1 Sensor: Detects particulate (PM2.5), fumes (TVOC), carbon dioxide (CO₂), humidity (RH%), and temperature

Personalized Insights

- Provides clear, easy-to-understand insights and actions personalized to each condition

Healthier Living

- Automatically creates healthier living conditions when combined with the AprilAire Healthy Air System®
- Takes the guesswork out of Healthy Air

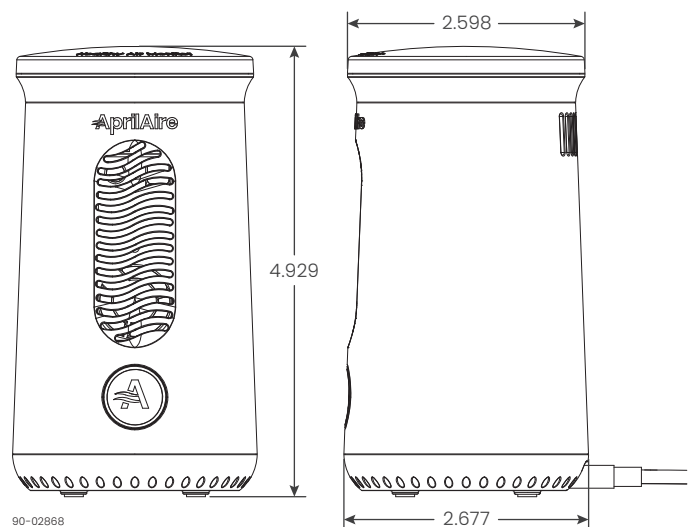
AprilAire Healthy Air App

- Receive instant alerts when your Indoor Air Quality becomes unhealthy in your home
- Learn more about Indoor Air Quality, its effects on your health, and steps to take to mitigate any concerns
- Get a more complete picture of the air quality within your home through historical views

Additional Features

- 3 different operation modes to best meet your lifestyle: Default, Always Off, Always On
- Use the ring light as an optional night light

Dimensions (inches)



LED Status	
Green	"Good" status
Yellow	"Fair" status
Orange	"Concerning" status
Red	"Unhealthy" status
White	Night Light
Blinking blue once per second	Connectivity status (pairing mode)
Blinking blue and red once per second	Connectivity status (unprovisioning)
Blinking blue and white once per second	Internet loss (ISP or Cloud issue)
Chasing blue lights	Wi-Fi loss (Lost router connection)
All 4 wording LEDs blink	Sensor fault
Ring light LEDs blink red	Factory reset

Healthy Air Mode

- Healthy Air Mode will automatically take mitigation action to improve the Indoor Air Quality when the Healthy Air Monitor senses a potential concern
- Mitigating actions can include operating the home's Air Cleaner, Fresh Air Ventilation system, or a combination of both
- Healthy Air Mode is enabled within the Healthy Air App, and is only available when the system detects all required components are available

System Component Requirements for Healthy Air Mode	
Sensor	1 or more AprilAire Healthy Air Monitors
Thermostat	AprilAire 8840W (FW 3.4.1 or later), AprilAire 8920W (FW 3.4.1 or later) or AprilAire S86WMUPR (FW 1.8.1 or later)
Mitigating Equipment	Air Cleaner, enabled on the thermostat and/or AprilAire Fresh Air Ventilation System, connected to and enabled on the thermostat
App	AprilAire Healthy Air App with Healthy Air Monitor(s) and Thermostat(s) provisioned

Healthy Air App

