

RadonAway 28421

RadonAway Air Flow Alarm Model 28421 User Manual

1. INTRODUCTION

The RadonAway Air Flow Alarm Model 28421 is designed to monitor the operational status of your radon mitigation system. This battery-powered device detects the presence or absence of air flow within the system's piping, providing an audible and visual alert if a low or no air flow condition is detected. It is important to note that this alarm monitors air flow only and **does not measure radon levels**.

2. PRODUCT FEATURES

- **Visual Alarm:** Bright, flashing red LED light indicates a no air flow condition.
- **Audible Alarm:** An alternating buzzer provides an audible alert for no air flow.
- **Pipe Compatibility:** Designed for use on 3-inch or 4-inch system pipes.
- **Easy Installation:** Simple mounting directly onto the system pipe.
- **Low Battery Warning:** Alerts you when the battery needs replacement.

3. PACKAGE CONTENTS

- RadonAway Air Flow Alarm Model 28421 Unit
- Installation Hardware (screws, anchors)
- Battery (pre-installed or separate)

4. SAFETY INFORMATION

- **Important:** This device monitors air flow in your radon system. It is not a radon detector and does not measure radon gas levels. Regular radon testing is recommended.
- Ensure proper installation to prevent false alarms or device malfunction.
- Do not expose the device to extreme temperatures or moisture beyond its specified operating range.
- Replace batteries promptly when a low battery warning is indicated to ensure continuous monitoring.
- Keep out of reach of children.

5. SETUP AND INSTALLATION

The RadonAway Air Flow Alarm is designed for straightforward installation on your radon mitigation system's PVC piping.

5.1 Mounting the Alarm

The alarm unit mounts directly onto the exterior of a 3-inch or 4-inch system pipe. Select a location on the pipe that is easily visible and accessible for monitoring and maintenance.



This image displays the RadonAway Air Flow Alarm Model 28421 attached to a radon system pipe. The clear casing reveals the internal components, including the red LED indicator light and the vane extending into the pipe, which detects air movement.

5.2 Vane Installation

A thin, field-trimmable vane is installed inside the pipe. This vane is designed to move with adequate air flow. Ensure the vane is correctly positioned and can move freely within the pipe without obstruction. Refer to the detailed instructions included in the product packaging for precise vane trimming and insertion.

5.3 Battery Installation/Activation

The unit is battery-powered. If the battery is not pre-installed, open the battery compartment, insert the provided battery, ensuring correct polarity. If pre-installed, remove any battery tab to activate the device.

6. OPERATING INSTRUCTIONS

Once installed and activated, the RadonAway Air Flow Alarm continuously monitors the air flow in your radon mitigation system.

- **Normal Operation:** When the radon system is operating correctly and there is sufficient air flow, the alarm will remain silent, and the red LED light will be off. The internal vane will be in a position indicating air movement.
- **Alarm Condition:** If the air flow in the pipe drops below a critical level or ceases entirely (e.g., due to fan failure, blockage, or power outage to the fan), the alarm will activate. You will hear an alternating audible buzzer, and a bright, flashing red LED light will be visible.

- **Low Battery Warning:** The alarm will provide a distinct indication (e.g., a short beep or specific LED flash pattern) when the battery power is low, signaling that it needs to be replaced soon.

7. MAINTENANCE

- **Battery Replacement:** When the low battery warning is active, replace the battery immediately with a new one of the same type. Refer to the battery compartment for specific battery type.
- **Cleaning:** Periodically wipe the exterior of the alarm with a soft, dry cloth to remove dust. Do not use harsh chemicals or abrasive cleaners.
- **Vane Check:** Occasionally inspect the vane through the clear casing to ensure it is free from debris and can move without obstruction.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm constantly active (audible and visual)	No air flow in the pipe; Radon fan not operating; Pipe blockage; Vane stuck or improperly installed.	Check if the radon fan is powered and running. Inspect the pipe for obstructions. Verify the vane is installed correctly and moves freely. Consult a radon professional if the fan is operational but no air flow is detected.
Alarm not activating when air flow stops	Dead battery; Device malfunction; Vane stuck in 'open' position.	Replace the battery. Check the vane for obstructions. If the problem persists, the unit may require replacement.
Low battery warning active	Battery power is low.	Replace the battery immediately.

9. SPECIFICATIONS

- **Model:** 28421
- **Noise Level:** 85 Decibels (alarm)
- **Mounting Type:** Wall Mount (on pipe)
- **Sensor Technology:** Pressure Sensor (via vane)
- **Item Weight:** Approximately 4 ounces
- **Temperature Range:** 32°F to 122°F (0°C to 50°C)
- **Power Source:** Battery Powered (Batteries Included: Yes)
- **Compatible Pipe Sizes:** 3-inch or 4-inch diameter

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact RadonAway customer service directly. Keep your proof of purchase for warranty claims.

Manufacturer: HomeAire (for RadonAway)

