

MITIGATION

SMART ELECTRONICS

RADOSTAT™  



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Radostat is an active, on demand radon mitigation solution. ETL approved, Radostat uses a building's existing HRV/ERV to keep radon levels low, activating at a peak of 150 Bq/m³ (4.0 pCi/L).

Developed in France, Radostat is less invasive to building design. Coupled with an HRV, Radostat provides the most simple radon mitigation system that is highly beneficial for retrofit and new build scenarios alike.

Energy savings of up 80% may be realized. Radostat operates only as needed, prioritizing energy efficiency along with indoor air quality.

This innovative approach to radon reduction and monitoring is suited to commercial and residential buildings.

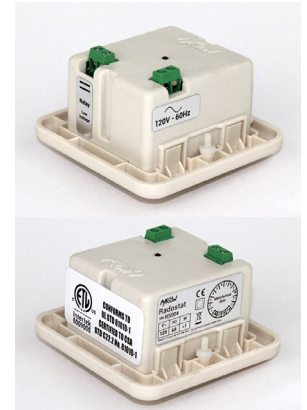
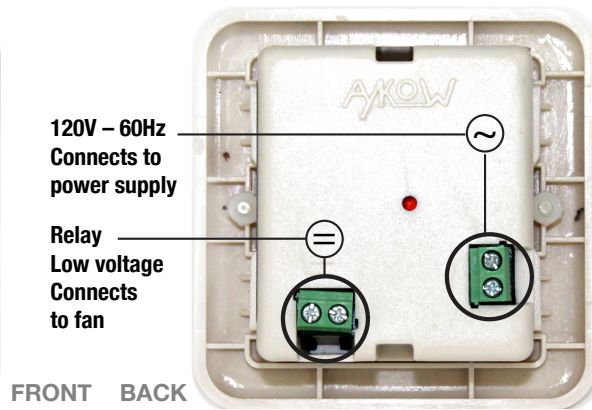
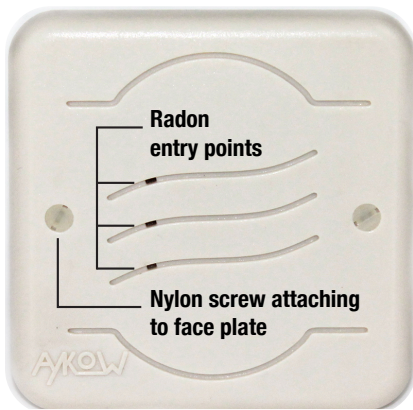


Power supply	main current 120V/60Hz
Threshold	150 Bq/m ³ (4.0 pCi/L)
Time switch	20 minutes
Size	80 x 80 x 45 mm
Weight	150 g
Working temperature	-5°C to 45°C
Case	plastic ABS white

- latest patented nuclear sensor technology
- real-time continuous radon sensor
- non-invasive design integrates into existing HRV/ERV
- activates at a peak of 150 Bq/m³ (4.0 pCi/L)
- economical operation activates only as needed
- ETL listed 5009005: conforms to UL STD 61010-1, certified to CSA STD C22.2 No.61010-1
- 2 year warranty

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RADOSTAT INSTALLATION



Safety first! Read all instructions carefully. Consult an electrician before installing the Radostat. The Radostat must be installed and connected in accordance with standard regulations. The Radostat is a wall sensor which must be mounted in an approved electrical box.

Before you begin, make sure the breaker you intend to use to power the Radostat is in the OFF position. Label this breaker as the Radostat and be sure that it is in a suitable location easily reached as this will be the ON/OFF switch for the Radostat. The Radostat is designed to run continuously to ensure the safety of building occupants.

The Radostat is Class II equipment. It operates at a rated voltage of 5V with a current of 20mA maximum on the electronic card inside. The Radostat is equipped with a fuse circuit breaker inside, but only a certified operator can replace it.



The Radostat should be installed recessed into the wall or surface-mounted on the wall at a height above the floor of roughly 1 metre. When you connect the 120V line voltage to the line voltage terminal, a red LED light on the rear of the Radostat will illuminate for five seconds to inform of the correct working of the Radostat. Avoid installing it in a corner whenever possible.

The low voltage terminal out of the Radostat connects to the high speed override on the terminal strip of your air

handling unit. Upon detection of elevated radon levels, the Radostat will run the air handling system on high for 20 minutes and then shut down (unless radon levels are still high in which case it will cycle again until levels drop).

The decals on the rear of the Radostat provide all of the electrical information. They also provide the date of production and the serial number.

Do NOT install the Radostat near a heat source or in a room where temperatures exceed 45° Celsius (113° F). The Radostat is dust, water and impact protected (IP51 indice according to climate test IEC 60529, and IK07 indice according to the rate of protection test from the norm IEC 62262). Do not open the case.



To turn off the Radostat, first turn the circuit breaker OFF at the panel. The Radostat is designed to operate 24/7. If the Radostat is turned off you are subject to being exposed to dangerously high radon levels.

The Radostat is a fragile device. If it is dropped it is important to have it checked by an authorized dealer.

HRV RECOMMENDATION

The HERO series HRV from Fantech is available in five heat recovery models to ensure a correctly sized fresh air appliance. Powerful features make the HERO an ideal choice: integrated backdraft protection, wall mount system with option for ceiling, a minimum of 80% energy transfer, and UL rated soundproofed cabinet.

Radostat connects to the high speed override circuit of the HRV. HRV wiring diagrams available. CSA compliance, HVI certified and ENERGY STAR® qualified.



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