

Monitor. Integrate. Alert. Peace of Mind.

Applications

Monitor air velocity in a wide variety of spaces, including:

- Fans and ducts
- Plenum spaces
- Server racks

Key Features

- Three configurations to suit any application:
 - Wide-range: WiNG-AIR10
 - High precision: WiNG-AIR4
 - Economical: WiNG-AIR3
- Transmission range between manager and sensors:
 - Up to 100' through multiple walls
 - Up to 270' through one wall
 - Up to 600' direct line of sight
 - Add up to 1,000' direct line of sight with a WiNG-RXT range extender
- Support 250 sensors on a single manager, up to 400 sensors with range extenders

WiNG systems communicate via a proprietary wireless protocol. WiNG sensors are only compatible with RLE WiNG products.



Robust, Responsive, Cost Effective Wireless Monitoring

Poor or obstructed airflow can significantly affect cooling performance and lead to equipment failure. WiNG-AIR sensors monitor changes in airflow to avoid unnecessary downtime.

What Sets RLE's WiNG-AIR Sensors Apart?

- **Track changes in airflow** to monitor air handling equipment and quickly detect impeded airflow, stalled fans, leaks, blockages or clogged filters.
- **Industry-leading battery life.** Sensor batteries last up to 11 years, communicating under normal room temperature conditions.
- **Up to 600' indoor, direct line of sight transmission range.** WiNG's expansive range supports flexible system and sensor deployment needs.
- **Packet transmission accuracy that exceeds 98%** and a polling rate of 10-20 seconds means the readings you see are accurate and relevant.
- **Available in 900MHZ and 868MHz configurations** for domestic U.S. and international installations.

WiNG-AIR3, WiNG-AIR4, WiNG-AIR10 • Compatible with RLE's WiNG products

Product Codes

WiNG-AIR3	WiNG air velocity sensor; 900MHz wireless transmitter; Range: 0-3 meters per second, +/-10%; Includes 6' sensor connector cable
WiNG-AIR3-868	WiNG air velocity sensor; 868MHz wireless transmitter; Range: 0-3 meters per second, +/-10%; Includes 6' sensor connector cable
WiNG-AIR4	WiNG air velocity sensor; 900MHz wireless transmitter; Range: 0-4 meters per second, +/-5%; Includes 6' sensor connector cable
WiNG-AIR4-868	WiNG air velocity sensor; 868MHz wireless transmitter; Range: 0-4 meters per second, +/-5%; Includes 6' sensor connector cable
WiNG-AIR10	WiNG air velocity sensor; 900MHz wireless transmitter; Range: 0-10 meters per second, +/-5%; Includes 6' sensor connector cable
WiNG-AIR10-868	WiNG air velocity sensor; 868MHz wireless transmitter; Range: 0-10 meters per second, +/-5%; Includes 6' sensor connector cable



WiNG-AIR sensors are available in 900MHz and 868MHz configurations.

Use the 6 feet of included sensor connector cable to place the air velocity sensor and the WiNG transmitter in optimal locations for air velocity data collection and WiNG sensor transmission

Technical Specifications

Power	3.6V AA lithium battery
Included Accessories	Applicable air velocity sensor for configuration (0-3m/s, 0-4m/s, or 0-10m/s); 6' sensor connector cable
Battery Life WiNG-AIR-3	At room temperature: 11 years @ ~120 sec read frequency; 9.5 years @ ~90 sec read frequency; 8 years @ ~60 sec read frequency; 5.5 years @ ~30 sec read frequency
WiNG-AIR-4 & WiNG-AIR-10	7 years @ ~240 sec read frequency; 5 years @ ~180 sec read frequency; 4 years @ ~120 sec read frequency; 2.25 years @ ~60 sec read frequency
Shelf Life	10 years in quiescent mode with battery installed
Air Velocity Range Accuracy	WiNG-AIR3: 0-3m/s; WiNG-AIR4: 0-4m/s; WiNG-AIR10: 0-10m/s WiNG-AIR3: +/-10%; WiNG-AIR4: +/-5%; WiNG-AIR10: +/-5%
Transmission Interval Frequency Range	10-20 seconds (random) Available in 868MHz and 900MHz configurations Up to 600ft line of sight
Operating Environment Temperature Humidity Altitude	-13°F to 185°F (-25°C - 85°C) 0% to 90% RH (Non-condensing) -200ft to 15,000ft (-70m to 4572m) max.
Mounting	Free standing, zip ties, screw and keyhole - spaced 2.5" (6.4cm), junction box - 2 screws spaced 3.28" (8.3cm)
Dimensions and Weight	4.4"L x 2.5"W x 1.5"H (11.2cmL x 6.4cmW x 3.8cmH), 0.2lb (0.10kg)
Certifications and Standards	CE UL61010, CSA 22.2 #61010, IEC 61326-1, FCC 47CFR 15B, IC ICES-003, EN 61000-3-2, EN61000-3-3, ETSI EN 301 489-1, ETSI EN 301 489-3; FCC ID: X7J-A11072401; IC: 8975A-A11072401

