

WIRELESS DIFFERENTIAL PRESSURE SENSOR

01 APPLICATIONS: Monitor differential air pressure in a wide variety of spaces, including:

- Plenum
- Server racks
- Ducts

02 KEY FEATURES:

- 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.

03

WHAT SETS THE WING-DAP APART?

- **Monitor air pressure** to better understand how air flows around your environment and validate infrastructure and airflow changes.
- **Industry-leading battery life.** Sensor batteries last up to 12 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.

04 ROBUST, RESPONSIVE, COST EFFECTIVE WIRELESS MONITORING: A complete system of sensors, gateway manager, and range extenders, RLE's budget friendly, feature rich WING products are the new standard for wireless monitoring.



05 WING-DAP: Compatible with RLE's WING products

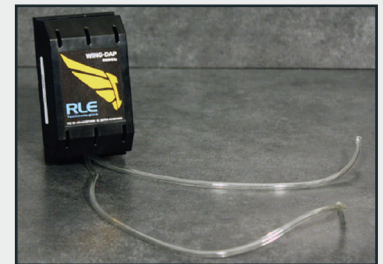
Product Codes

WING-DAP	WiNG differential pressure sensor; 900MHz wireless transmitter; Includes 3' of flexible polyurethane tubing; Range: -500 to 500 Pa (-2 to +2 in H ₂ O), +/- 2% of span
WING-DAP-868	WiNG differential pressure sensor; 868MHz wireless transmitter; Includes 3' of flexible polyurethane tubing; Range: -500 to 500 Pa (-2 to +2 in H ₂ O), +/- 2% of span

WiNG Family



WING-DAP



Configure the 3 feet of included flexible polyurethane tubing to measure differential air pressure

06

Technical Specifications	
Power	3.6V AA lithium battery
Included Accessories	3' clear polyurethane tubing; additional lengths available (optional; not included)
Battery Life	Up to 5 years when system spans full operating temperature range. Up to 8 years at room temperatures up to 122°F (50°C) Up to 12 years at room temperature
Shelf Life	10 years in quiescent mode with battery installed
Differential Pressure Range Accuracy	-500 to 500 Pa (-2 to +2 in H ₂ O) +/- 20Pa measured at sensor input (not including polyurethane tubing); accuracy will degrade when length of tubing exceeds 3'
Transmission Interval Frequency	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) 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