# BMS-WiNG

Leak Detection

# WIRELESS FACILITY MONITORING FOR SYSTEM INTEGRATION

01

**APPLICATIONS:** Pair with RLE's WiNG sensors to monitor a variety of conditions including temperature, humidity, dew point, and differential pressure, and integrate these sensor readings directly into a BMS or BAS.

02

**KEY FEATURES:**

- No user interface or separate software required - integrates directly with existing BMS and alarm monitoring systems
- Enclosure mounts in a panel, on a DIN rail, or on a wall
- Support up to 50 WiNG sensors
- All the advantages found in our WiNG wireless sensors, including:
  - **Up to 12 year battery life**
  - **Transmission range up to 600' line of sight**
  - **Packet transmission accuracy that exceeds 98%**

03

**WHAT SETS THE BMS-WING APART?**

- **Designed specifically for system integration,** the BMS-WiNG leverages robust protocol communications to communicate with any Modbus RTU or BACnet MS/TP system.
- **A suite of sensors with an industry-leading 12 year battery life** allow users to monitor conditions including temperature, humidity, dew point, & liquid leaks.
- **Notifies users quickly when an alarm condition is met.**
- **Available in 900MHz and 868MHz configurations** for domestic U.S. and international installations.

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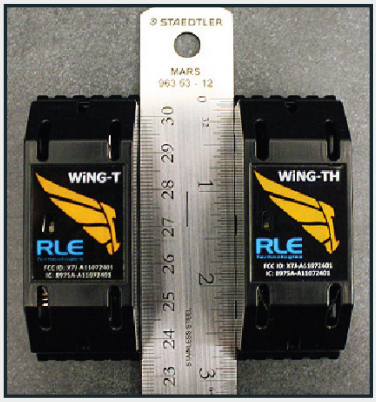
V05.21

04 **INTEGRATED WIRELESS MONITORING:** The BMS-WiNG leverages RLE's WiNG wireless sensor technology and allows it to integrate via protocols into any building management system (BMS) or alarm monitoring system.


05 **BMS-WiNG:** Integrates with any alarm monitoring system, including RLE's FMS

| Product Codes | |
|---|---|
| **BMS-WiNG** | 900MHz wireless monitoring for Modbus RTU and BACnet MS/TP integration applications; hardwired 24VDC or optional PSWA-DC-24-ST |
| **BMS-WiNG-868** | 868MHz wireless monitoring for Modbus RTU and BACnet MS/TP integration applications; hardwired 24VDC or optional PSWA-DC-24-ST |
| **PSWA-DC-24-ST** | Power adapter; isolated100-240VAC to 24VDC, 50/60Hz, w/ stripped and tinned ends, includes type A blade |

## 06 RELATED ITEMS:




**WiNG-T & WiNG-TH**


**WiNG-LD**


**WiNG-DI & WiNG-DI-868**

## 07

| Technical Specifications | |
|---|---|
| **Power** | Hardwired 24VDC, 500mA<br>or RLE power supply PSWA-DC-24-ST (optional; not included) |
| **Included Equipment** | BMS-WiNG, antennas, DIN rail mount adapter, USB mini B to USB A cable |
| **Required Accessories** | WiNG sensors |
| **Maximum Number of WiNG sensors per BMS-WiNG** | 50 sensors |
| **Communications**<br>EIA-232<br>EIA-485 | Available in 868MHz or 900MHz configurations<br>USB Connector; 115200 Baud, 8 data bits, no parity, 1 stop bit<br>9600, 19200, 38400 or 76800 baud (selectable); Parity: None, 8 data bits 1 stop bit |
| **Protocols**<br>Modbus RTU (EIA-485)<br>BACnet MS/TP (EIA-485) | Server RTU mode, supports function code 03 |
| **External Interface**<br>Push Button<br>LED Indicators<br>DIP Switches | <br>Sensor auto-discovery, sensor removal, and factory reset<br>Power/Status - 1 tricolor<br>SW 1 - Device configuration; SW 2 - Modbus/BACnet device ID |
| **Operating Environment**<br>Temperature<br>Humidity | <br>32°F to 122°F (0°C to 50°C)<br>5% to 95% RH, non-condensing |
| **Dimensions** | 5.25”W x 6.0”H x 1.75”D (133mmW x 152mmH x 44.5mmD) |
| **Weight** | 8.0 oz. (228g) |
| **Mounting** | Wall mount (keyhole, zip tie, or screw holes); DIN rail mount |