WiNG-MGR v2-NR

WIRELESS NETWORK MANAGER - VERSION 2 - NO RADIO

01 APPLICATIONS: Fine tune your environment to:

- Monitor a facility for changes in environmental conditions

- Meet energy efficiency goals

- Maintain optimal equipment performance parameters

- Anticipate equipment failures and prevent downtime

02 KEY FEATURES:

- Leverage your existing Wi-Fi network

- Sensors designed with security mind:

  - **Only allow one-way communications**

  - **Support WPA/WPA2-PSK encryption**

  - **Encrypted data storage for network and configuration information**

- Supports up to 400 Wi-Fi sensors on a single manager
- Integrated mapping lets you visualize data and quickly identify sensor locations

- NO licensing or hosting fees – you own all of your data.

- Supports HTTPS and secure email services

03

WHAT SETS RLE'S WING-MGR V2-NR APART?

- **A suite of sensors allow users to monitor conditions** including temperature, humidity, dew point, & liquid leaks.

- **Wireless sensor technology.** No wires for power; no wires for data transmission.

- **Industry-leading battery life.** Sensor batteries last up to seven years with transmission every five minutes.

- **Web interface delivers direct alarm, integrated mapping, & email notification** so you can quickly locate issues.

- **Open protocols streamline communication & integrate** and a polling into larger BMS systems via SNMP, Modbus, or BACnet.

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Monitor. Detect. Resolve.

04 **RESPONSIVE WIRELESS MONITORING VIA YOUR WI-FI NETWORK:** The WiNG-MGR v2-NR allows you to leverage your existing Wi-Fi network to monitor environmental conditions in your facility. RLE's budget friendly, feature rich products are the new standard for wireless monitoring.

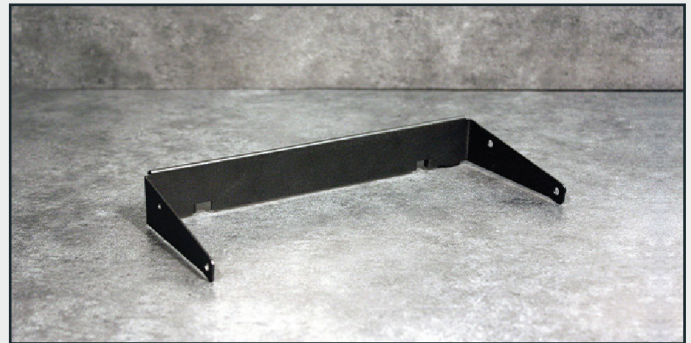**05** **WING-MGR V2-NR:** Compatible with RLE Wi-Fi sensors

Product Codes	
WiNG-MGR v2-NR	WiNG Manager v2 - No Radio; includes rack mount bracket and PSWA-DC-24-KIT, type A, C, G & I blades
WMB	Wall mount brackets; qty 2; for use with WiNG-MGR
WiNG-MGR DRM	WiNG-MGR DIN rail mount bracket; fits 35mm DIN rail

Related Items:

WIFI-CO2

WiNG-MGR DRM

Monitor. Detect. Resolve.

06 Technical Specifications

Power	24VAC @ 600mA max, 50/60Hz, 24VDC @ 600mA max
Included Equipment	WiNG-MGR v2, PSWA-DC-24 power supply, antennas, rack mount tabs
Wired Relay Outputs	Two (2) Dry Contact, Form C, 1A @ 24VDC resistive, 0.5A @ 120VAC
Maximum Number of Wireless Sensors Per Manager	Supports up to 400 Wi-Fi sensors on a single manager
Communications Ethernet EIA-485 USB	10/100 BASE-T, RJ45 connector; 500VAC RMS isolation 9600, 19200, or 38400 baud; no parity; 8 data bits; 1 stop bit Serial port emulation for diagnostics; 115200 baud; no parity; 8 data bits; 1 stop bit
Protocols TCP/IP, HTML, SNMP Modbus (EIA-485) Modbus TCP/IP BACnet/IP BACnet/MSTP	IPv4, IPv6; HTTP/HTTPS (TLS1.2); V1, V2C, V3 Modbus Server Modbus Server; TCP/IP transmission protocol ASHRAE STD 135-2004 Annex J EIA-485
Login Security	Web browser access (Ethernet); 4 users and passwords can be configured
Data Trending Temperature/Humidity	Records temperature and humidity data at 5 minute intervals; daily records; retains 30 days of information
Operating Environment Temperature Humidity Altitude	32°F to 140°F (0°C to 60°C) 5% to 95% RH (Non-condensing) 15,000ft (4572m) max.; 9,842ft (3000m) max. if applying more than 150V, 50/60Hz to relays from overvoltage category II circuit
Storage Temperature	-4°F to 185°F (-20°C to 85°C)
Mounting	Desktop, rack mount (tabs included)
Dimensions and Weight	9.7"W x 4.8"D x 1.8"H (24.6cmW x 12.2cmD x 4.6cmH), 2.7lb (1.23kg)
Certifications	ETL listed; CE; conforms to UL 61010-1, EN 61010, EN 61000-3-2, EN61000-3-3; ETSI EN 301 489-1, ETSI EN 301 489-3; IEC 61326-1; certified to CSA C22.2 #61010; MCQ-XB900HP, and 47CFR 15B; IC 8975A-A11072401, 1846A-XB900HP, and ICES-003; RoHS compliant, WPC ETA, EN 18031-1:2024

Parameter

Monitor. Detect. Resolve.