WIFI-LD

Wireless Wi-Fi Enabled Leak Detection Sensor

Monitor. Integrate. Alert. Peace of Mind.

Applications

Couple the WIFI-LD with an SD-Z or SD-Z1 spot detector or any of our leak detection sensing cables to detect leaks in any facility and report them to a notification system via your existing Wi-FI network.

Key Features

- Wireless and battery powered - no wires for power or data transmission
- Designed with security in mind:
  - Only allows one-way communications
  - Supports WPA/WPA2-PSK encryption
  - Encrypted data storage for network and configuration information
- Supports DHCP or static IPv4 addresses and static IPv6 addresses
- Configurable transmission rate
- Different kits fit unique needs:
  - WIFI-LD-LC monitors for leaks with our patented leak detection sensing cable
  - WIFI-LD-M monitors for leaks with our chemical sensing cable
  - WIFI-LD-SPOT monitors for leaks with a SD-Z1 spot detector

Patented Leak Detection Delivered Via Wi-Fi

Whether you're using a WiNG-MGR or a BMS system, the WIFI-LD allows you to leverage your existing Wi-Fi network to monitor for conductive fluid leaks in your facility.

What Sets RLE's WIFI-LD Apart?

- **Monitor for leaks** with one of the following configurations:
  - One SD-Z1 spot detector
  - One SD-Z and up to 50 feet of leak detection sensing cable
  - Up to 100 feet of leak detection sensing cable
- **Transmits on your existing Wi-Fi network**
- **Industry-leading battery life.** Sensor batteries last up to five years with transmission every five minutes.
- **Populates seamlessly into RLE's WiNG-MGR** user interface.
- **BMS integration.** Transmits leak status information to a BMS using an existing wireless network.
- **Monitors for leaks 24x7.** Checks for leaks and ensures cable continuity once every minute and sends a packet immediately after detecting an alarm condition.

WIFI-LD · Compatible with RLE's WiNG-MGR and any BMS system capable of receiving a UDP packet.

Product Codes	
WIFI-LD-LC	Wi-Fi wireless transmitter for use with RLE leak detection sensing cable; includes LC-Kit; requires SC, SC-R, SC-ZH or SD-Z; requires USB-A to Micro B cable for configuration
WIFI-LD-M	Wi-Fi wireless transmitter for use with RLE chemical sensing cable; includes LC-Kit-M; requires SC-C; requires USB-A to Micro B cable for configuration
WIFI-LD-SPOT	Wi-Fi wireless transmitter for use with RLE spot detector; includes SD-Z1; requires USB-A to Micro B cable for configuration
MICRO-USB-3FT	USB-A to Micro B Cable; 3ft (1m); Black; Use with WIFI sensors for sensor configuration

WIFI-LD

Technical Specifications	
Power	7.2V (two 3.6V AA lithium batteries)
Battery Life IPv4 IPv6	Battery life varies based on Wi-Fi signal strength and access point performance Up to 5 years at 5 minute transmission intervals; up to 2 years at 1 minute transmission intervals Up to 3.5 years at 15 minute transmission intervals
Shelf Life	10 years in quiescent mode with battery installed
Connectivity Wi-Fi IP	 2.4 Ghz 802.11b/g/n, supports WEP, WPA (TKIP) or WPA2 (AES) encryption IPv4 static or DHCP; IPv6 static
Transmission Interval	1-30 minutes (configurable)
Leak Detection Input Compatibility Sensor Response Time Cable Break Detection Cable Sensitivity	Accepts up to 100ft (30.5m) of sensing cable, 50ft (15m) of sensing cable and one SD-Z spot detector, or 1 SD-Z1 spot detector. Compatible with all RLE sensing cables and the SD-Z and SD-Z1 spot detectors. Up to one minute Yes Configurable via WiNG-MGR or BMS
Operating Environment Temperature Humidity Altitude	 -13°F to 185°F (-25°C to 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 - two 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	EN-61326-1:2013, EN 301 489-1 V2.1.1, EN 301 489-17 V 3.1.1, Subpart B of Part 15 of FCC Rules for Class A digital devices, ANSI/UL 61010-1:2012, CAN/CSA-C22.2 No. 61010-1:2012 (3rd Edition), EN 61010-1:2010 (3rd Edition), and IEC 61010-1:2010. Contains FCC ID: Z64-CC3220MOD; Contains IC: 451I-CC3220MOD