

BMS-LD3Z

Environment Monitoring

THREE ZONE LEAK DETECTION FOR SYSTEM INTEGRATION

01 APPLICATIONS: Pair with RLE's SeaHawk sensing cables and spot detectors to monitor for conductive fluid and caustic chemical leaks and integrate this information 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
 - Incorporates RLE's patented leak detection technology into any existing BMS or alarm monitoring system
 - Enclosure mounts in a panel, on a DIN rail, or on a wall
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03 WHAT SETS RLE'S BMS-LD3Z APART?

- **Designed specifically for system integration**, the BMS-LD3Z leverages robust protocol communications to communicate with any Modbus RTU or BACnet MS/TP system.
- **A supervised system**, the controller continuously monitors the cable for leaks, breaks, and disconnects and sends an alarm notification when one is detected.
- **Notifies users quickly when an alarm condition is met.**
- **Zone leak detection** system alarms when water comes into contact with the attached sensing cable or spot detector. It is the right fit for spaces where sensing cables and spot detectors are visible so leaks can easily be located.

04 THREE ZONES OF INTEGRATED LEAK DETECTION: The BMS-LD3Z provides three zones of RLE's patented leak detection that directly integrates via protocols into any building management system (BMS) or alarm monitoring system.



05 BMS-LD3Z: Integrates with any alarm monitoring system, including RLE's FMS

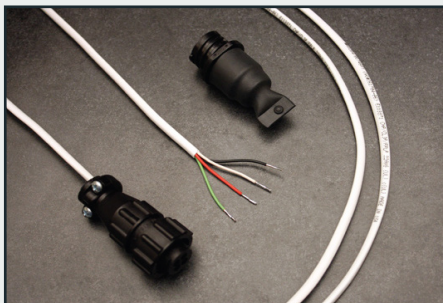
Product Codes	
BMS-LD3Z	Three zone leak detection for Modbus RTU and BACnet MS/TP integration applications; hardwired 24VDC or optional PSWA-DC-24-ST
PSWA-DC-24-ST	Power adapter; isolated 100-240VAC to 24VDC, 50/60Hz, w/ stripped and tinned ends, includes type A blade
LC-KIT	Leader cable and end-of-line (EOL) terminator; 15ft/4.57m; for use with SC, SC-ZH, SD-Z
LC-KIT-M	Leader cable and end-of-line (EOL) terminator; 15ft/4.57m; for use with SC-C

06 RELATED ITEMS:

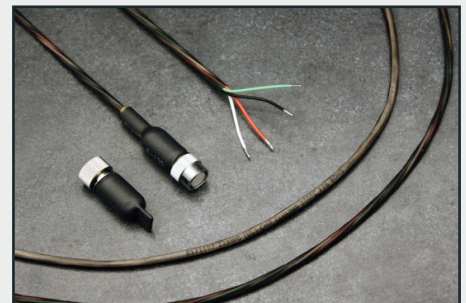
Sensing Cable SC



LC-KIT



LC-KIT-M



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V02.26

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Technical Specifications

Power	Hardwired 24VDC, 500mA or RLE power supply PSWA-DC-24-ST (optional; not included)
Included Equipment	BMS-LD3Z, DIN rail mount adapter
Required Accessories	One LC-KIT per zone of leak detection; SC, SC-ZH, SC-C, or SD-Z.
Sensing Cable Cable Input Maximum Length Detection Response Time Cable Break Detection	Compatible with all RLE sensing cables and the SD-Z and SD-Z1 spot detectors. Three cable inputs; EACH input requires LC-KIT: 15ft (4.57m) leader cable and EOL (not included) Up to 1,000ft (305m) of sensing cable and spot detectors per zone; 3,000ft (915m) total < 10 seconds Yes
Protocols Modbus RTU (EIA-485) BACnet MS/TP (EIA-485)	Server RTU mode, supports function codes 03 and 04
External Interface Push Button LED Indicators DIP Switches	Factory reset Power/Status - 1 tricolor; Leak Zone Status- 1 tricolor SW 1 - Device configuration; SW 2 - Modbus/BACnet device ID
Operating Environment Temperature Humidity	32°F to 122°F (0°C to 50°C) 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
Certifications	CE; ETL listed: conforms to UL 61010-1, IEC 61010; EN 60601-1; CSA C22.2 NO. 61010-1; IEC 55011; CISPR16; RoHS compliant.