LIEBERT® LIQUI-TECT LP3000 LEAK DETECTION CONTROLLER

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BENEFITS

- Easily identify leak location

- Avoid costly damage and downtime with fast leak notification

- Prevent nuisance & false alarms

- Allow users to label unique areas for quick identification

- Simple integration with BMS, NMS & BAS

- Identify cable disconnects & breaks

- Annunciate multiple, simultaneous, leaks when other distance-read controllers are integrated into the system

- User set up and configuration

Features

- Interactive leak detection map

- Quickly returns to normal status after sensing cable is wiped dry

- Adjustable leak, delay, and contamination thresholds

- LED dot matrix display

- Detection of broken and contaminated cables

- Event log

- SNMP, Modbus, BACnet, and summary relay output

- Email alarm notification

- Audible alarm

- Capable of monitoring leaks up to 5,000 feet

- Integration with:
  - *Trellis*™ Platform
  - Liebert® SiteScan
  - Liebert® Nform™

Solution

The Liqui-tect LP3000 is a complete monitoring system that monitors and notifies the presence of water and other conductive fluids. The LP3000 is an advanced controller that operates in conjunction with Liqui-tect sensing cable. With the LP3000, the user can establish "virtual zones" allowing the leak cable to be segmented by user defined areas.

When a conductive liquid comes in contact with the sensing cable, the LP3000 is able to report the distance to the leak and jointly works with the Interactive map that indicates the location of the leak.

The LP3000 has an audible alarm for local monitoring via its network connectivity and web interface. In addition, it can easily integrate into existing building management, network management, and building automation systems, or be configured for direct alarm notification via email.

Common applications include data centers, clean rooms, telecommunication centers, and other critical areas. The LP3000 offers a reliable leak detection solution that mitigates potential damage, costly business outages, and downtime.

With the Liebert Liqui-tect® LP3000 you can:

- Monitor up to 5,000 feet of conductive fluid sensing cable

- Configure up to 32 virtual zones

- Send direct email alarm notification

- Access the device remotely via the robust web interface

- Log an extensive variety of events and alarms

Increase ROI

With the Liebert Liqui-tect, organizations are able to:

- Decrease downtime

- Quickly identify and respond to alarms due to leaks

- Improved SLAs through a reduction in equipment failure

SYSTEM FEATURES	
Input Power	Includes an isolated power supply with interchangeable blades with input range 90-264 VAC 47/63HZ 600 mA max.
Included Accessories	15' Connection cable and end terminator
LEAK DETECTION INPUT	
Maximum Cable Length	5,000ft (1524m) of LT500 Leak Detection Cable
Minimum Cable Length	35 ft. (10.67m)
Detection Accuracy	± 2ft (0.6m) +/- 0.5% of the cable length
Detection Repeatability	± 2ft (0.6m) +/- 0.25% of the cable length
Detection Response Time	5-995sec, software adjustable in 5sec increments; ±2sec
OUTPUT	
Form C dry contact Relay	Summary alarm, 1A @ 24VDC; 0.5A @ 120VAC; Latched or non-latched
COMMUNICATION PORTS	
EIA-485	9600, 19200, or 38400 baud (selectable); No parity, 8 data bits, 1 stop bit
RJ-45	10/100BaseT Ethernet port (TCP/IP)
PROTOCOLS	
TCP/IP, HTML	IPv4.0
SNMP	V1: V2C MIB-2 compliant: V3
SMTP	Supports Client Authentication (plain and login); compatible with ESMTP Servers
Modbus	Modbus RTU and Modbus TCP/UDP; Master & Slave
BACnet	BACnet MS/TCP and BACnet/IP
ALARM NOTIFICATION	
Audible Alarm	70dBA @ 2ft (0.6m); re-sound configurable (disabled, 0-24 hours)
Visible Alarm	Dot matrix LED display; bi-color status LED and through web interface
Email	4 Email recipients; email sent to all recipients on Alarm and Return to Normal
SNMP Traps	4 IP Addresses
LOGGING CAPABILITIES	
Event Log	Last 500 events, downloadable to .txt file
Trend Log	Cable current level once daily for the last 288 days
LOGGING SECURITY	
Web Access	Two (2) passwords; One (1) Read Only; One (1) Read/Write
OPERATING ENVIRONMENT	
Temperature	32° to 122°F (0° to 50°C)
Humidity	5% to 95% RH, non-condensing
Altitude	15,000ft (4,572m) max.
Storage Environment	-4° to 158°F (-20° to 85°C)
Dimensions & Weight	8"W x 4.25"H x 1.25"D (203mmW x 108mmH x 32mmD); 1.5 lbs. (680g)
Mounting	Wall mountable; rack mount bracket LP3000-RMB (optional)
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS