

LIEBERT® LIQUI-TECT LP6000 LEAK DETECTION CONTROLLER

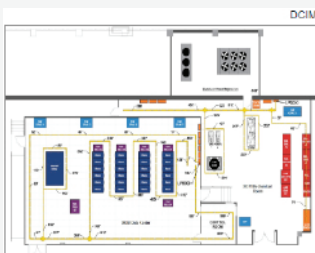


BENEFITS

- Stand-alone or integrated leak detection and notification
- Pinpoint leaks quickly and accurately
- Manage an entire building's leak detection system through one IP address
- Report alarms from all Liqui-Tect controllers integrated into the system
- Access the device remotely - any time, any place
- Detailed alarm history with time and date stamp assists in troubleshooting

Features

- Master device for up to 127 LP3000 and LP6000 controllers
- Audible and visual alarms
- Local touch screen display
- Adjustable sensitivity set points for leaks and contamination
- Historical log of leaks and faults
- Automatic detection of broken cables and contaminated cables
- Integration with:
 - Trellis™ Platform
 - Liebert® SiteScan
 - Liebert® Nform™



Critical computing, communications or process control facilities can be seriously impacted by water leaking via broken pipes, failing roofs or other causes and it can go undetected for a period of time. Water damage will lead to serious issues and is far more common than fire or other more visible hazards.

Liebert Liqui-tect® leak detection systems provide accurate reporting of leaks below the floor, above the ceiling or at the perimeter of a room in critical facilities. It also provides immediate warning and precise location allowing you to find and correct a leak before moisture can damage computers, wiring connections or other sensitive electronics. Liebert Liqui-tect® offers the ability to interface with building monitoring and management systems to provide the broadest possible range of communication with authorized personnel.

The Liebert Liqui-tect leak detection technology comes with an easy to read interface that helps users quickly and efficiently respond to leaks to protect valuable assets. The LP6000 is customer centric and has a LCD touch screen that allows the user to configure, monitor, locate, and acknowledge leaks from the front display.

Through the use of the web interface, users can create an interactive overlay that displays on top of an uploaded floor map image. When a leak is detected, the LP6000 displays its location on the map, making leak location quick and easy.

The LP6000 can operate as either a standalone or can be integrated with other devices. When integrated, multiple communication protocols allow the LP6000 to act as a master for other supported Liqui-Tect controllers. The scalable LP6000 can provide leak detection and notification for an entire building through one IP address. It can also seamlessly integrate into a BMS or NMS.

With the Liebert Liqui-tect® LP6000 you can:

- Monitor up to 10,000 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
- Create up to 10 interactive leak detection reference maps
- 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	100-240VAC @ 500mA max, 50/60Hz; dedicated circuit
Included Accessories	15' Connection cable and end terminator

LEAK DETECTION INPUT

Maximum Cable Length	10,000ft (3,048m) 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

OUTPUTS

Analog	4-20mA Loop Powered, 18-36VDC, RL = 500Ω max.
Form C dry contact Relays (5)	2-Leak, 2-Cable Break, 1-Maintenance / 1A @ 24VDC; 0.5A @ 120VAC; Latched or non-latched

COMMUNICATION PORTS

EIA-485 (3 Ports)	9600, 19200, or 38400 baud (selectable); No parity, 8 data bits, 1 stop bit
RJ-45	10/100BaseT Ethernet port (TCP/IP)
Local Display	480 x 272 pixel color backlit LCD touch screen; 95.04mm x 53.85mm

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	85dBA @ 2ft (0.6m); re-sound 0-999min
Visible Alarm	Alarm indicated on LCD touch screen 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 1,024 events, downloadable to .txt file
Trend Log	Cable current level every day, for the last 365 days

LOGIN SECURITY

LCD Touch Screen	Password protected access to configuration
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 70°C)
Enclosure	Wall mount, NEMA Type 1
Dimensions	12.5"W x 10"H x 3.25"D (318mmW x 254mmH x 83mmD)
Weight	8.2lbs. (3.7kg)
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS compliance

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