



LEVEL & LEAK DETECTION

ZONE LEAK DETECTION MODULE WITH CABLE LIQUI-TECT MONITORING SYSTEM

DESCRIPTION

The **Liebert Liqui-TECT® Monitoring System** is the ultimate in leak detection and retrofitting capabilities for computer rooms and other large areas. The **Liebert Liqui-TECT** provides direct-read at the control unit location, as well as the ability to communicate with the **Liebert SiteScan® Web** enterprise monitoring system or a building management system.

The **Liebert Liqui-TECT** features an easy-to-use liquid crystal display (LCD) panel with readout of normal and alarm conditions, as well as leak location. Display and measurement modules are contained in a single compact package.

The panel can monitor up to 10,000 ft. (3048m) of Liebert LT500Y leak detection cable, divided into two zones of up to 5,000 ft. (1524m) each.

FEATURES

- Audible and visual alarms
- Adjustable sensitivity setpoints for leaks and contamination
- Continuous scrolling of data and history logs
- Connection to a building management system
- Automatic detection of broken cables and contaminated cables
- Retention of configuration after a power failure

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Liqui-TECT Double Monitors



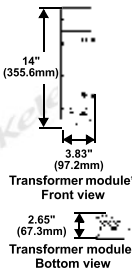
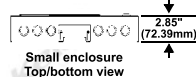
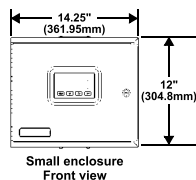
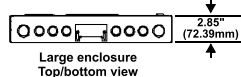
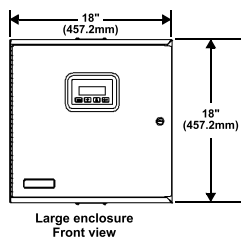
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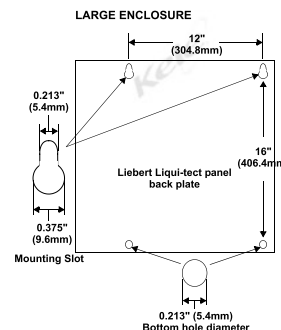
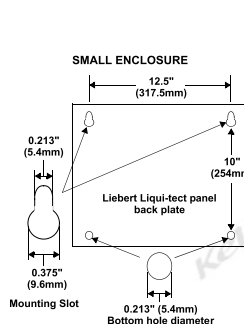
SPECIFICATIONS

Mounting Dimensions	Building Wall or Structural Member 14 1/4"W x 2 3/4"D x 12"H (36.1 x 6.9 x 30.4 cm), 18"W x 2 3/4"D x 18"H (45.7 x 6.9 x 45.7 cm)	Alarm Output (4)	24VAC, 1A
Approvals	No Transformer Module	Liquid Crystal Display	Four line, 20 character, backlit
UL, UL3121, CE, FCC Compliance	CFR 47 Part 15, With Transformer Module	Ambient Operating Environment	32°F to 104°F (0°C to 40°C) 0% RH to 95% RH (non-condensing)
UL- UL3121, UL1012, CE, FCC Compliance	CFR 47 Part 15, With Transformer Module	Power Requirements	24VAC ±10% of nominal 50/60 Hz, 0.3A, 8VA, 115VAC ±10% of nominal 60 Hz, 4A, 460VA, 230VAC ±10% of nominal; 50 Hz, 0.5A, 115VA
UL- UL3121, UL1585, CE, FCC Compliance	CFR 47 Part 15	Processor Specifics	Model MC68HC16Z1
Weight	7.68 lb (3.48kg), 20.56 lb (9.33 kg)	Clock Speed	20MHz
Communication Protocol	Liebert SiteScan Web® IGM Protocol, 422	Total RAM	128Kb
Inputs & Outputs (Quantity)		Total FLASH	256Kb
Analog Output (2)	4-20mA signal output	Total NVRam	32Kb
		A/D Resolution (Analog IN)	14 bits
		Clock Type	Real-Time Clock Clock battery backup type Internal
		Clock battery life	10 years, constant, no power
		Enclosure Type	NEMA 1

DIMENSIONS AND MOUNTING DIMENSIONS



* 115V module shown. Dimensions apply to both 115V and 230V modules.



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WIRING

Power Wiring

The LT460 is rated for 24 VAC, 50/60 Hz and 0.12 amp.

Figure 1 24V from Liebert environmental units to LT460

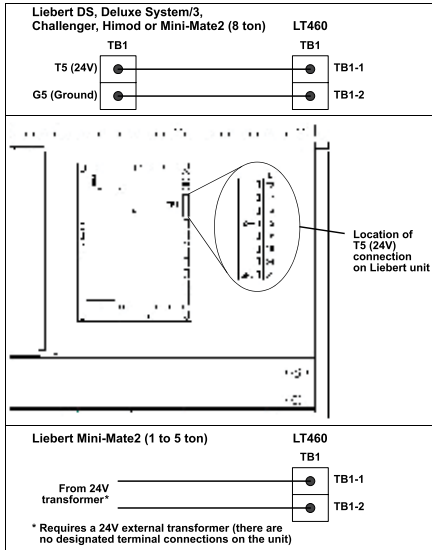
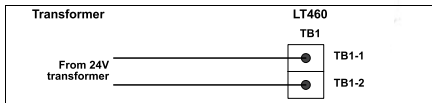


Figure 2 24V from transformer to LT460



Wiring to Auxiliary Alarm Panels

The LT460 has two Form-C dry contact alarm output contacts (TB2 & TB3). Each contact is rated for 24 VAC at 3 amp.

Figure 3 LT460 to Liebert environmental units

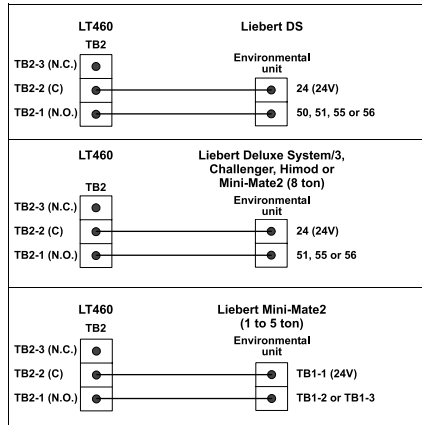
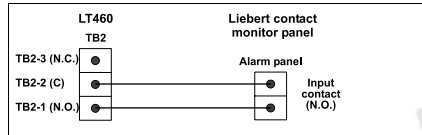
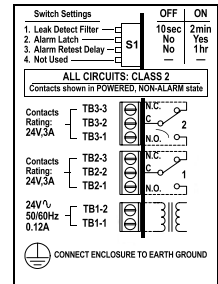


Figure 4 LT460 to Liebert contact monitor panel

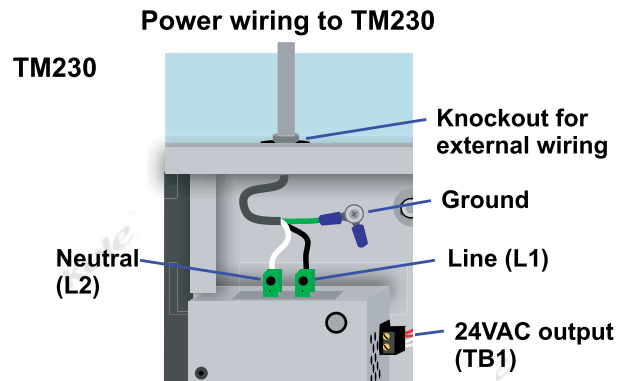
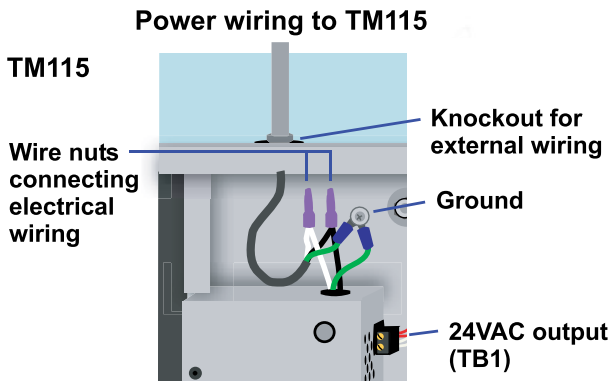


Configuration Switch Settings

A four-position DIP switch is used to select two alarm (filter) delays and three mutually exclusive alarm modes. The switches are located next to the wiring termination blocks.



INPUT AND OUTPUT POWER CONNECTIONS

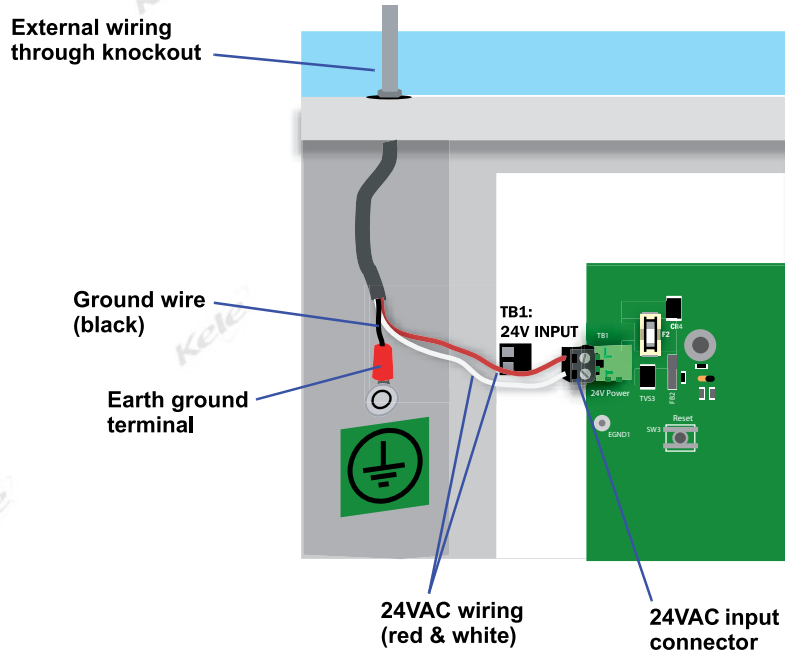


TM115	TM230	Connection Type
White wire	Neutral (L2)	Neutral
Black wire	Line (L1)	Power (Line)
Green wire	Ground lead	Ground



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ELECTRICAL CONNECTIONS TO PANEL



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ORDERING INFORMATION

MODEL	DESCRIPTION
LPS0240	Liebert Liqui-tect panel small enclosure
LPL1150	Liebert Liqui-tect panel large enclosure with 115VAC transformer module
LPL2300	Liebert Liqui-tect panel large enclosure with 230VAC transformer module

	RELATED PRODUCTS
TM115	Transformer module 115VAC with two 24VAC outputs (40V each) and 115VAC receptacle
TM230	Transformer module 230VAC with two 24VAC outputs (40V each) and 115VAC receptacle

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