

# Lead Leak Detection System Ltd.

## Lead Locating Panel – LD-LPD-2RLB

Product Datasheet LD-LPD-2RLB (New housing)



### Product Overview

LEAD leak detection system uses Locating Panel to detect the liquid leak and communicates to BMS system. The alarm, fault and power LEDs display the current system status while the built-in leakage locating feature can identify where the leak occurs.

LD-LPD-2RLB locating panel can support fail-safe loop back configuration.



### Application

- Data centers
- IT facilities / Communications
- ELV room
- Smart home
- Cold storage / archive areas
- Workshop, plant & service rooms
- Pump sump
- Offices, Warehouses
- Lift Pit, Parking lot, Smart Toilets

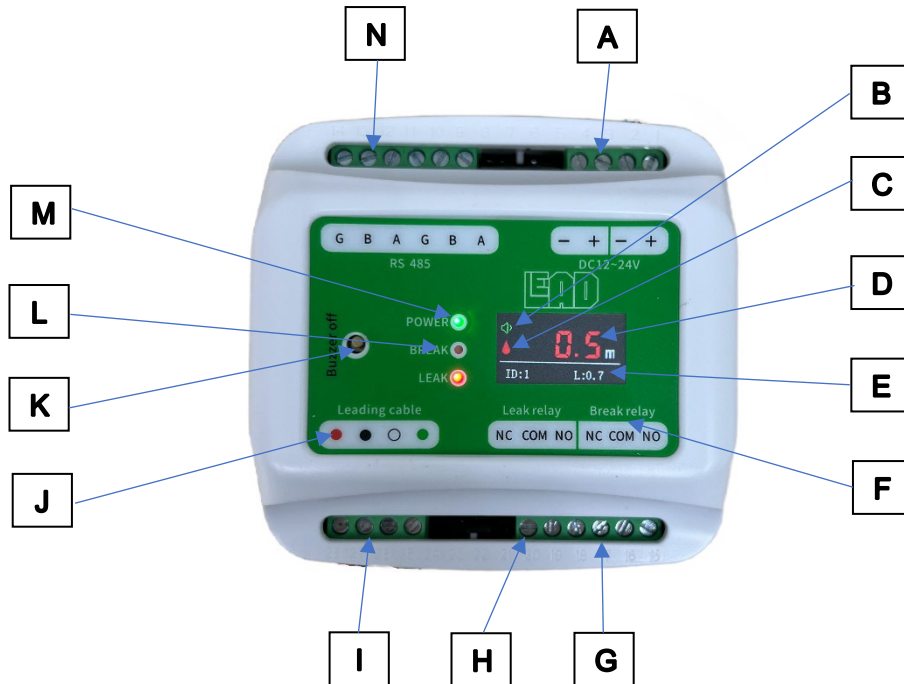
### Accessories (sold separately)

Model No. WS-Lxxx – xxx is the length of water sensing cable in meter.

## Features

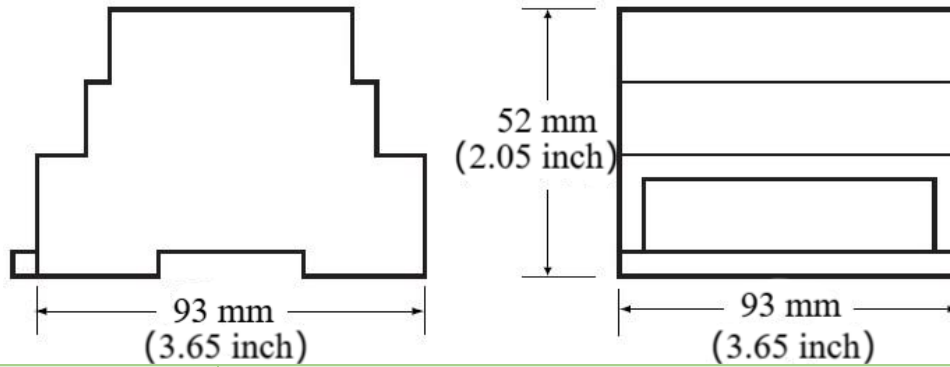
- OLED display unit and LED indicators show the operation and alarm status.
- Alarm acknowledges button / Alarm sound mute function included.
- Power supply terminals
- Sensitivity of leakage detection and cable resistivity can be configured for different environment and application.

## Function map



<b>A</b>	Power supply terminal
<b>B</b>	Alarm sound status indicator
<b>C</b>	Leakage / Service status indicator
<b>D</b>	Leakage location (Meter)
<b>E</b>	Length of Sensing cable (Meter)
<b>F</b>	Controller ID No.
<b>G</b>	Cable break alarm relay output terminal
<b>H</b>	Leak alarm relay output terminal
<b>I</b>	Sensing cable terminal
<b>J</b>	Leak alarm indicator
<b>K</b>	Alarm acknowledge / Mute button
<b>L</b>	Service / Cable break alarm indicator
<b>M</b>	Operation indicator
<b>N</b>	RS485 port terminal

## Technical Data



<b>Power Supply</b>	DC12-24V 150mA 5W
<b>Length of Sensing Cable</b>	Up to 800m
<b>Accuracy</b>	0.5% of length of sensing cable or $\pm 0.5m$
<b>Relay Output</b>	2 x SPDT 1NO + 1NC (Contact Rating 220V AC/1A 30VDC/1A)
<b>Sensitivity</b>	< 3s
<b>Communication Port</b>	RS485
<b>Communication</b>	Modbus RTU
<b>Sound Alarm</b>	80dB minimum (Mute function included) 90dB maximum
<b>Operating Environment</b>	Temperature: -20°C -60°C Humidity: 95% non-condensing
<b>Altitude</b>	1000m max.
<b>Dimension</b>	L93mm x W93 mm x H52 (mm)
<b>Mounting</b>	35mm DIN Rail
<b>Degree of protection:</b>	NEMA 1, Standard IP00 (option IP56)

## Certified product



This brochure has been carefully prepared to ensure technical accuracy but is only intended for promotional use. LEAD cannot guarantee that the information contained herein contains no errors or omissions, and hence does not accept responsibility related to the use of its equipment. LEAD maintain its obligations set forth in the Standard Terms and Conditions of Sale and will not, under any circumstances, assume liability for any incidental damages, indirect or consequential, arising from the sale, resale, use or misuse of this product. The purchaser(s) accept their responsibility as the sole judge(s) of the adaptability of the product for the intended use.

2023.6

In the interest of product improvement, specifications are subject to change without notice