

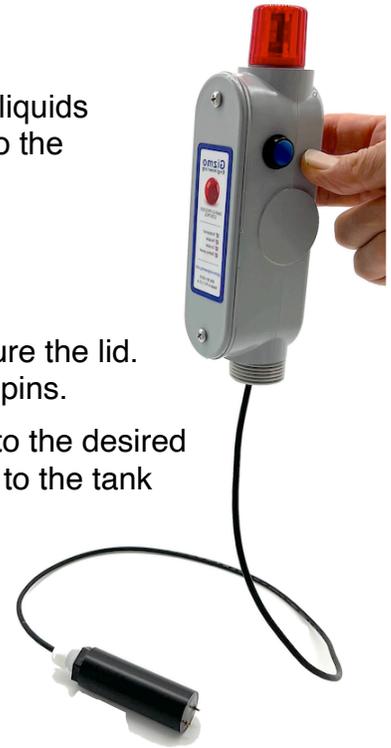
T-LKP (LEAK ALARM)

1. GENERAL

- The T-LKP is a leak alarm that senses the presence of liquids using a conductivity sensor probe which is connected to the electronics by a cable.

2. INSTALLATION IN TANK

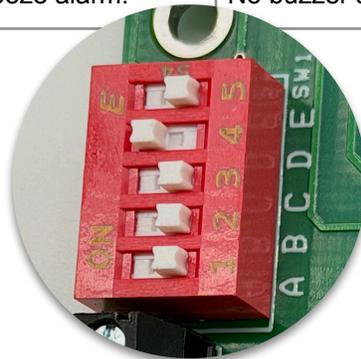
- This item is suitable for outdoor locations.
- Install a 9V battery in the electronics enclosure and secure the lid. The unit may be tested in liquid by submerging the gold pins.
- To install in your tank, slip the probe down into the tank to the desired depth. The most common installation is to let it descend to the tank bottom (so the probe is horizontal) with any extra cable sitting on the tank bottom. It can also be deployed so the probe is hanging vertically as well.
- Once the sensor is in the tank, the electronics enclosure may be screwed into the tank fitting.

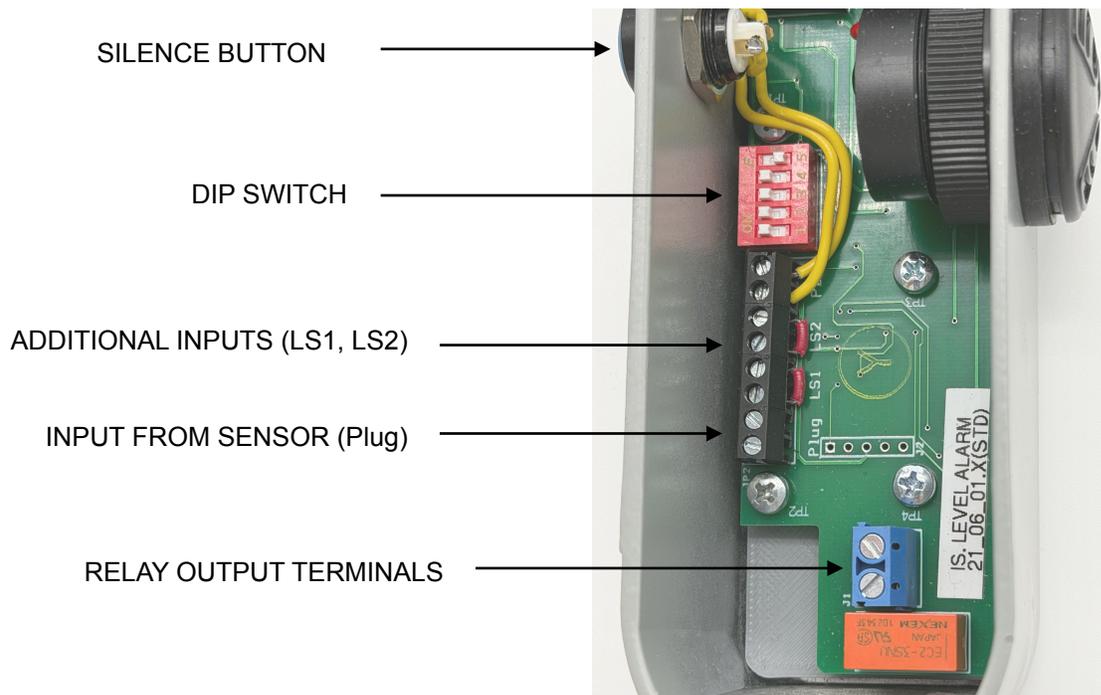


3. ALARMS

- The blue pushbutton tests the alarm circuit when not in alarm state. If the unit is in alarm state then the blue button silences the buzzer.
- When there is liquid detected, an alarm will sound. You can control the behaviors as follows:

SWITCH	LEFT	RIGHT
E	Relay output delayed 15 mins.	Immediate relay output.
D	Relay N.C.	Relay N.O.
C	Auto-reset when level corrected. (LED, buzzer, relay)	Manual reset. Must press button to reset relay, LED, & buzzer after level corrected.
B	PB shuts off buzzer but LED & relay stay on until level corrected.	Pressing PB shuts off buzzer and LED, reset relay regardless of level. (for tank filling)
A	30 mins. buzzer snooze alarm.	No buzzer snooze alarm.





ELECTRONICS ENCLOSURE

4. BATTERY

- The 9V battery has a standby life of 10 years. Alarm events will deplete the battery at a rate of 20mA/hr. (50 hours)
- There is a feature whereby the alarm goes into a low output mode after 60 minutes. After the 60 minutes the output will be reduced to 15% duty cycle. This allows the alarm to sound for 3 weeks.
- A low-battery alert is signaled by 5 sec. of beeping/flashing every 30 seconds. This cannot be stopped with the silence button.

5. MAINTENANCE

- There is no maintenance required.