

mini AWAM Magnetic Float Water Leak Detector



Model No. LD1

It is very important to discriminate water leaks and wrong operation conditions within water facilities, manholes, water lifting / pump halls, flowmeter or valve chambers, specially within unmanned substructures even that one who has dewatering pumps.

Water Leak Detector could be used within pump halls, underground pump rooms, valves chambers, metering or flow-meter chambers ... etc.

Installation example sketches are attached:

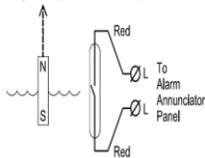
However, you may contact M&I Est. for technical support any time at WhatsApp 00962796624708 or through below website.

Technical Specifications:

Operating Medium	: Water
High Level Switching Point	: none
Low Level Switching Point	: 245mm (from the top of the 160mm sleeve)
Mounting Position	: Vertical plugin at 160mm protection sleeve
Materials	: PVC, Teflon, Polystyrene & Elastomeric Acrylic
Accuracy	: +/-1mm (overflow range)
Operating Temperature	: 0~50 °C
Operating Voltage	: 24Vac or dc
Max Switching Capacity	: 12VA 230Vac/dc 1A NO Contact
Electrical Connection	: UL 3/4" Liquid-tight Steel Gland
Ingress Protection	: IP65
Overall Dimensions	: 165mm X 176mm X 450mm.
Weight	: 1.7kg

N.B.

Reed switch is N.O., but in no leak conditions it becomes N.C. because magnets of float will excite it. Hence, in case of water leak exceeds threshold triggering line as float slightly raise up the reed switch contact becomes N.O.



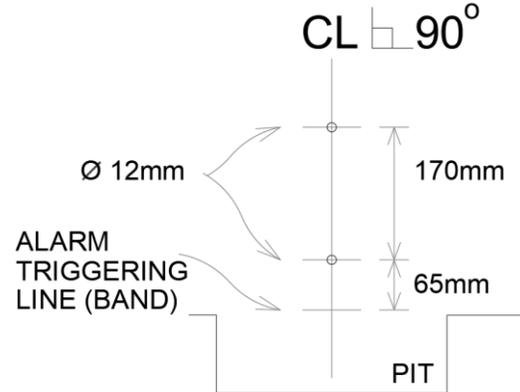
This is very good feature to identify any cut within the signaling cable matching between the LD1 and the control or alarming panel, as it will resemble water leakage condition.

Installation Examples are shown herein after:

Installation:

Once you decide most suitable place of installation, please start from the pit as shown below, ALARM TRIGGERING THRESHOLD line shall be adjacent to the pit top exactly, such that any water leak will fill this pit quickly and then spill over causing alarm triggering.

Draw reference line at the pit top, then another plumb center line as shown. Drill two 12mm holes for expansion-plugs fixation, one 65mm above the reference line and the other 235 above reference line as shown:



After fixing the LD1, you still have slight vertical maneuvering span to adjust threshold level exactly according to your needs; then after you may tighten the two clamps

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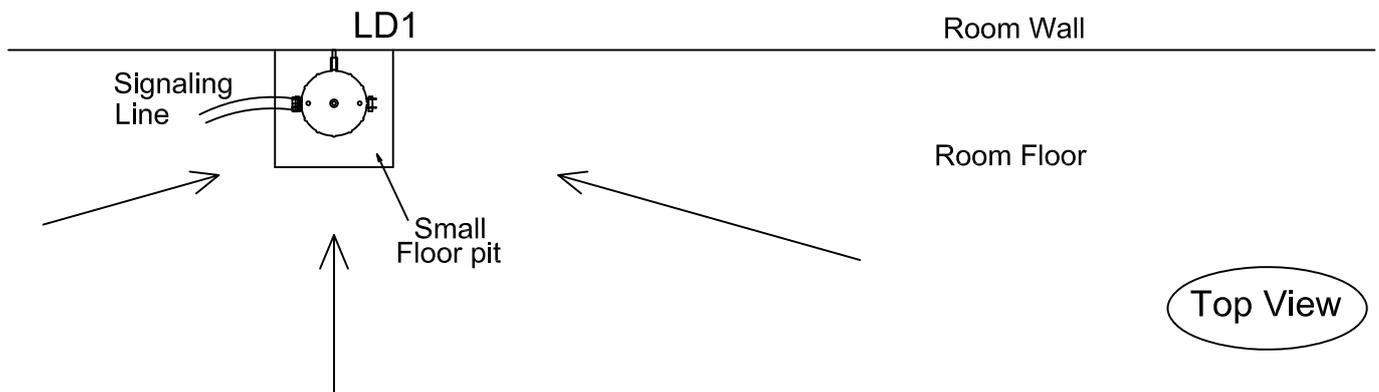
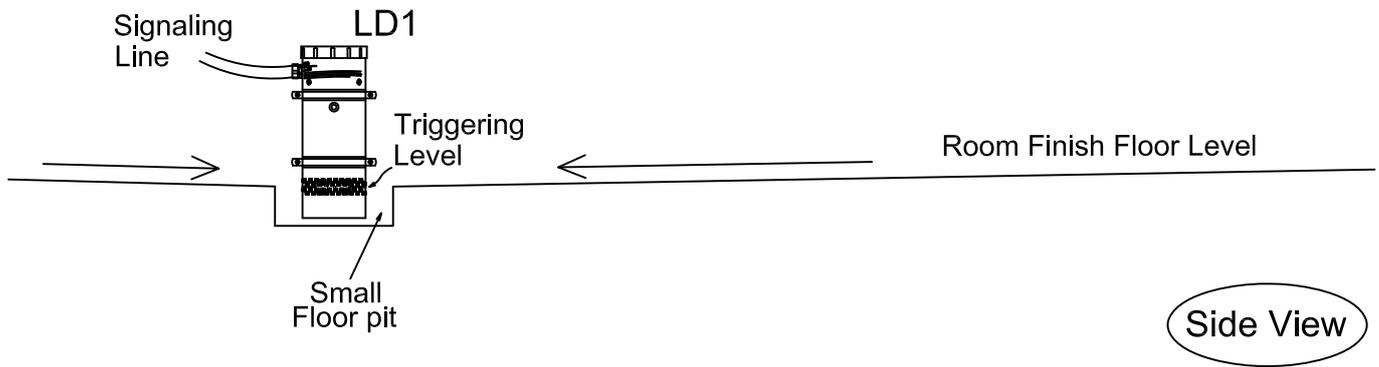


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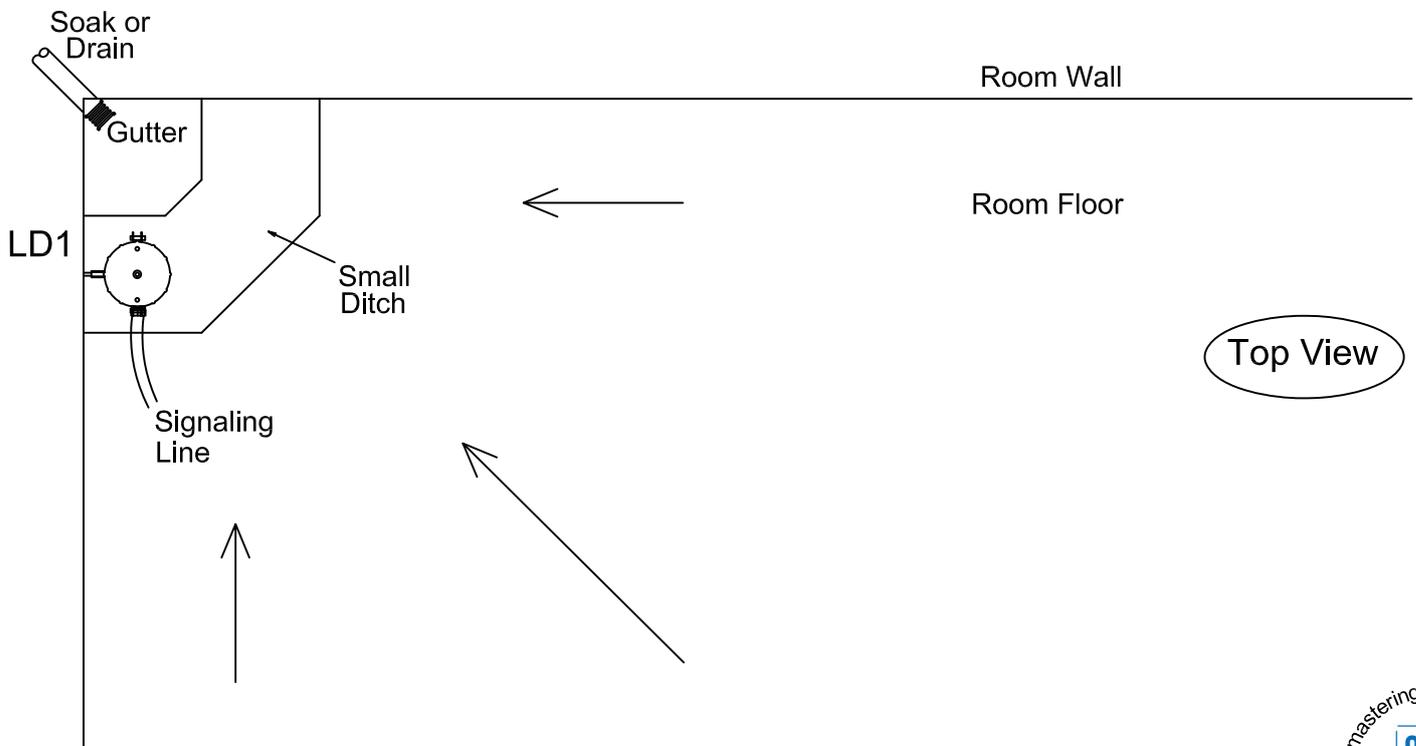
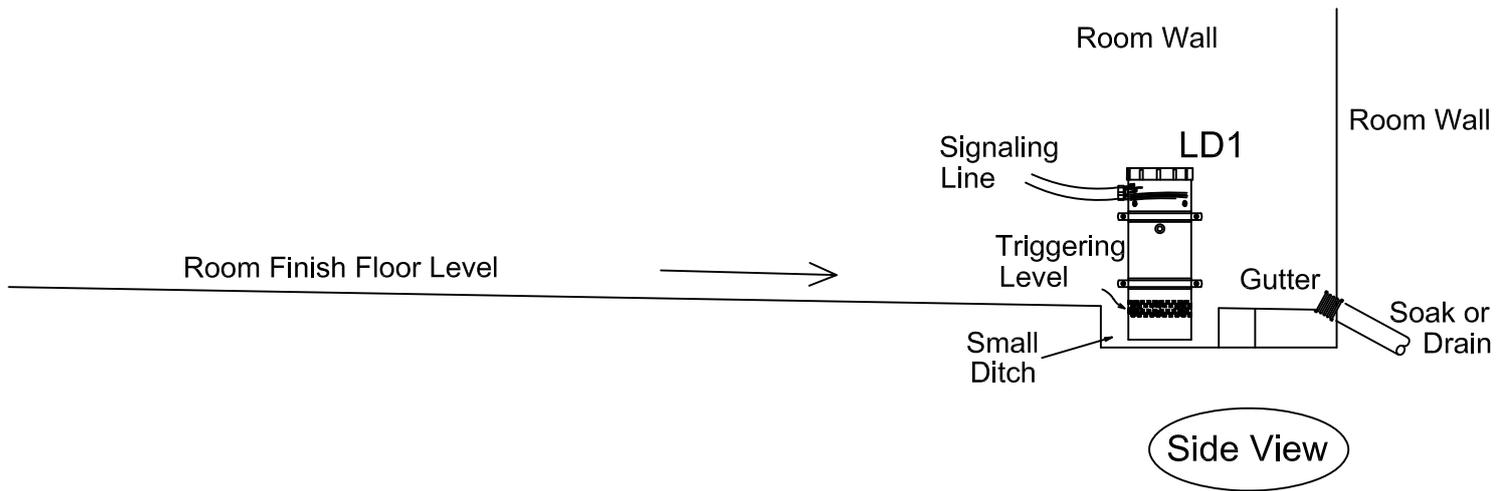
General Confined Area

Equipment room, raised floor ground, shopfloor, storefloor ... etc.



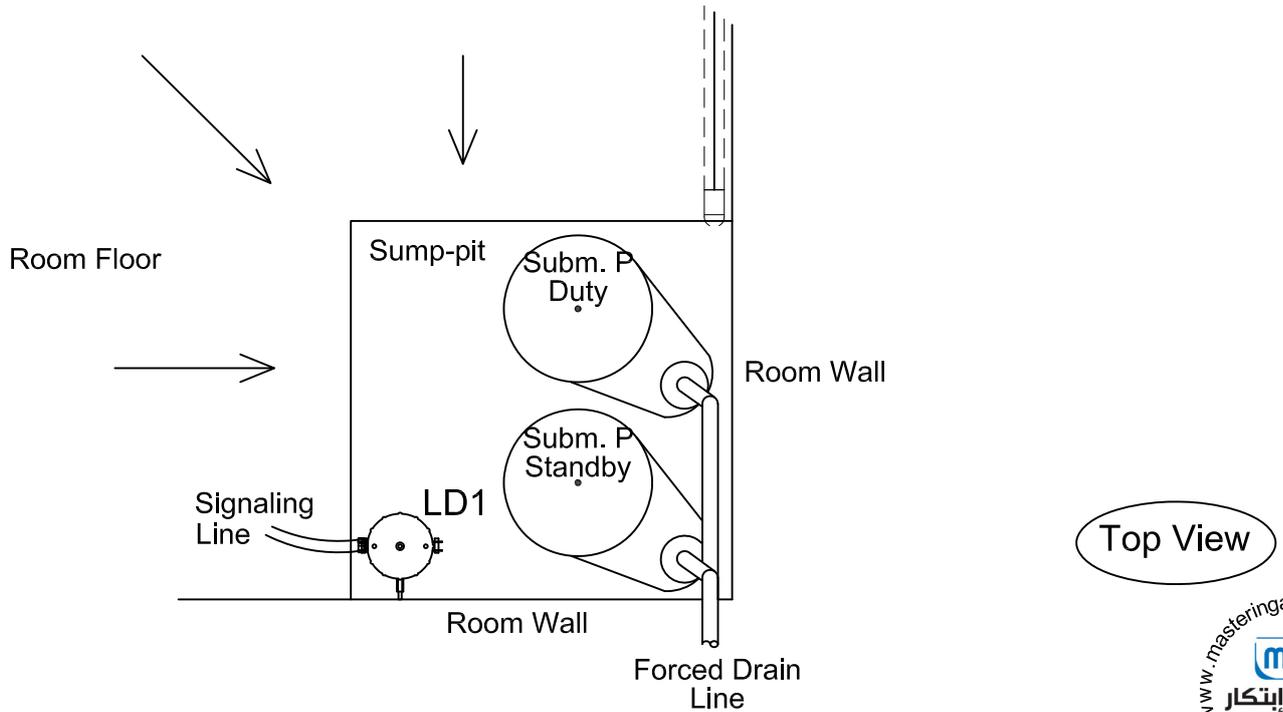
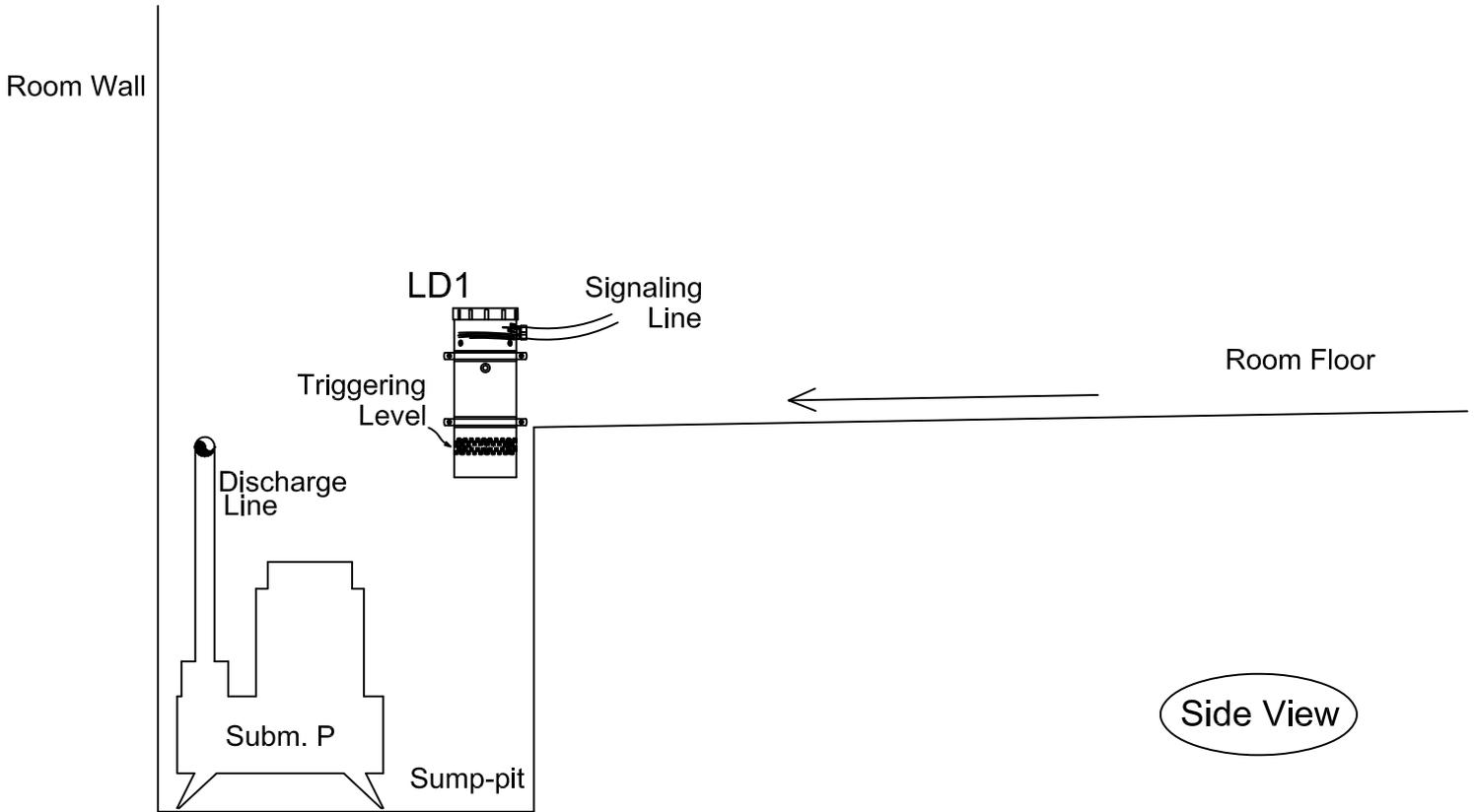
Confined Area with Soak or Drain

Metering rooms, underground fire pumps, manholes, trenches ... etc.



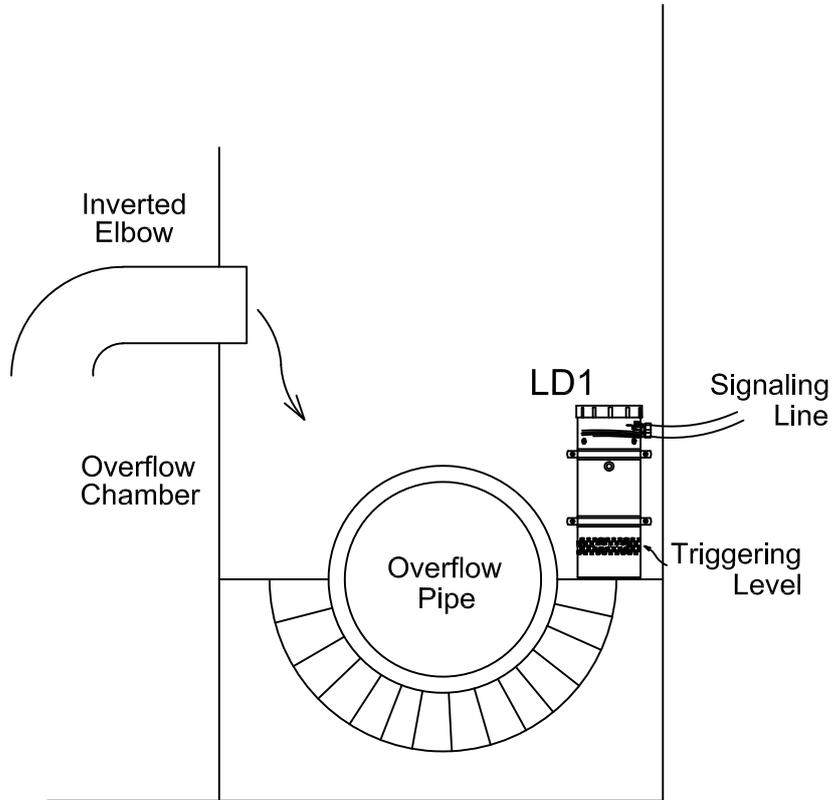
Confined Area with Sump Pump

Pump-hall, mechanical room, fire fighting pumps, lifting stations, sewer ... etc.

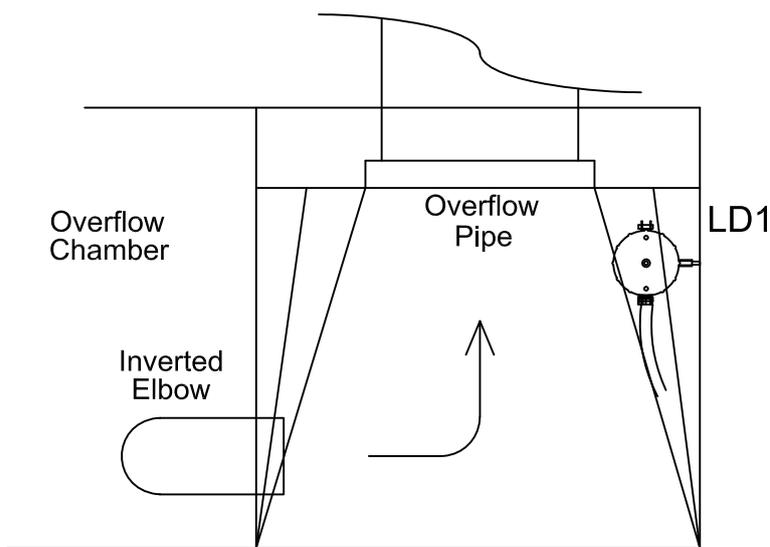


Overflow chambers

Pump stations, dams, water facilities ... etc.



Side View



Top View