

LIGHTHOUSE PRO XLS™

#LHP-FL Flood Sensor

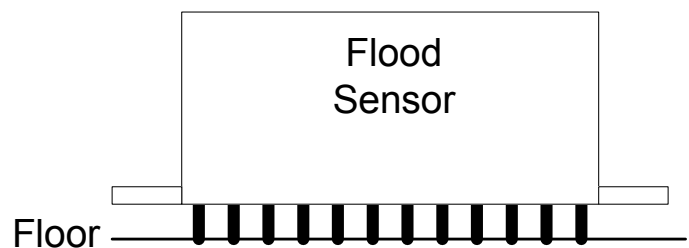
Thank you for purchasing the Lighthouse Pro XLS™ Flood Sensor.

The flood sensor can be used to detect flooding conditions by sensing water on the floor or around the aquarium. When water touches the sensor pins, the Lighthouse Pro beeps and illuminates the Message light, then sends an email or text message. When used in conjunction with the #LHP-ALM Flood Alarm (sold separately), a loud audible alarm will sound at the aquarium site.



Installation

1. The flood sensor must be placed with the gold pins facing down directly on the floor. Place the flood sensor on the floor under the tank, near the sump, or where a normally dry location exists. Avoid locations where salt spray may occur. If salt builds up on the pins, then a false alarm could happen. Similarly, when placed on surfaces that remain damp false readings can occur.
2. The screw holes are provided for those who wish to securely mount the sensor to the surface. This is optional. If used, the screws should be loosely fastened to avoid any pressure on the tips of the pins.
3. Connect the two sensor wires to either CONTACT-1 or CONTACT-2 on the back of the Lighthouse Pro console. Push back on the spring loaded clips and insert the two wires in the two holes.



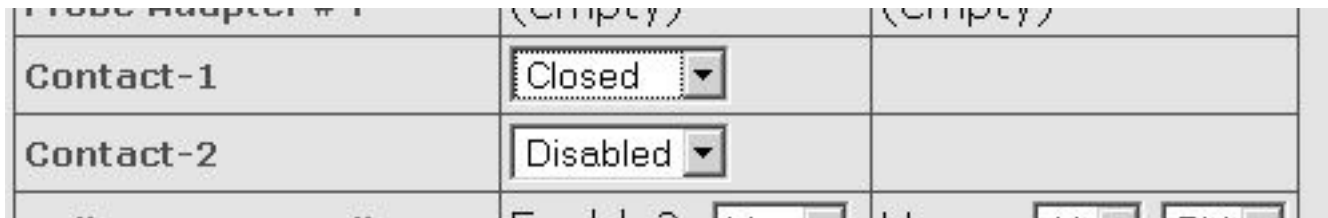
Testing

Set the console display to show Contact status. Press the *Display* button on the remote, then use the *Up* and *Down* buttons to select either **Contact1** or **Contact2**. To test the sensor, soak a few pieces of paper towels with tank water or tap water (do not use RO/DI water). Push the gold pins of the sensor into the paper towel. The contact status on the display should change from *Open* to *Closed*.

Controller Setup

To setup the Lighthouse Pro to send emails or text messages when a flood condition exists, follow these steps:

1. Open a web browser to the Lighthouse Pro and select *Alarms/Limits*.
2. Sselect the Contact Number (either 1 or 2) where the flood sensor is connected.
3. Set the *State* to CLOSED.
4. Click the *Submit* Button.



Flood Adapter #	(empty)	(empty)
Contact-1	Closed	
Contact-2	Disabled	

Controller Setup (Audible Alarm)

See the manual for the #LHP-ALM Flood Alarm (sold separately) for setting the flood sensor up to produce and audible alarm.

Notes

- After a period of the time the gold sensor pins may become contaminated with dust or dried salt spray. To clean the pins, using rubbing alcohol and an old toothbrush. Allow to dry before returning it to service.
- NEVER place the flood sensor in the aquarium.
- The sensor will work for freshwater and saltwater aquariums, but it will not respond to distilled or RO/DI water. This is because the sensor measures conductivity of the spill, and RO/DI water is too pure. However, even spilled RO/DI water in contact with dust and debris will probably be detected by the sensor.
- The flood sensor has been designed for use only with the Lighthouse Pro and should not be connected to any other electrical appliance.

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