

General Overview of the LevelAir Installation.

FIRST:

The controller should be mounted to a wall or stand. The “mounting holes” are located directly underneath the same holes the cover screws into. Remove the cover, insert the mounting screws into the same holes and screw into a mounting plate.

Four Mounting holes located at each corner directly under the screws holding the cover in place.



SECOND:

Mount a bubbler tube inside the tank you want to control. The tube can be anywhere from 1/2” to 2” ID and made from any material that won’t be destroyed by the liquid in the tank. It’s critical that the tubing connecting the top end of the bubbler tube to the brass fitting on the side of the LevelAir doesn’t have ANY air leaks of any size. The bubbler tube has to be secured so it doesn’t “wander or float” around the tank.

1/4” NPTF fitting connects to the bubbler tube you have mounted in the tank.



THIRD:

The LevelAir controller needs 120 VAC power connected. There is a 24VDC transformer that provides 24VDC to the sensor and circuit board. You will install the preferred type of electrical connection to the enclosure. All you need to do is bring 120VAC to the wire terminals located at the bottom right corner of the LevelAir.



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FOURTH:

The controller has been set up at the factory so each relay responds to the specific needs of the application. The relays are rated at 5.0 amps 120VAC. These are dry closure relays and ONLY COMPLETE the circuit that has the pump or valve in it. There is no power available at either relay. The relays are rated at 5.0 amps 120VAC.

The preset differential distance between Relay ON and Relay OFF is factory set and not normally changed in the field. However, the actuation level is easily changed using the adjusting screw. See the text next to the adjusting screw for the actual preset distance and turning direction increase or decrease the level.

**CLOSING THOUGHTS:**

It is crucial that the enclosure cover remain sealed and in place so that dirty air is not drawn directly into the air pump. The air pump generates a very low flow and positive pressure to keep any dirt and debris from restricting the bubbler tube.

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