Aero-ALERT™ Alarm Kit

P/N: 100343, 101893, 101894

Function:

The Aero-ALERT™ alarm kit is designed to produce a visual and audible signal when the Aero-Stream® product has an air output of less than 1 PSI or a high water event with the optional high water float switch. The product has a “mute” function to turn off the alarm. The alarm will not function in the “mute” mode. In the event of an alarm signal see the troubleshooting section below.

Service and Maintenance

The alarm is designed to produce the audible signal for at least 60 days and visual signal for at least 30 continuous days on the self contained batteries. The batteries should be replaced annually. It is suggested that they be replaced at the same time as your fire detection smoke alarm in your home.

Directions

1. Install the air line/tee fitting in the output air line of the Aero-Stream® unit. Clamp the air line with plastic clamp (figure 2).
2. Connect the 1/8” air line from the tee to the black barbed fitting on the bottom of the Aero-ALERT™ (figure 3).
3. Push the Aero-ALERT™ post into the ground 3” - 5”. If the earth is hard use a ¾” diameter wood or metal stake and a hammer to make a 3” - 5” deep holes. Push the Aero-ALERT™ post into the formed hole. DO NOT HAMMER ON THE Aero-ALERT™.

Troubleshooting

The light illuminates for two conditions, either a signal from the air switch or a signal from the float switch. Follow the steps below to determine the cause of the alarm.

1. Unplug the float from the alarm box. If the light goes out go to step 4. If the light does not go out go to step 2 (figure 4).
2. Make sure the large air line connections are not leaking. If not leaking go to step 3 (figure 2).

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3. Make sure the small air line is tightly connected to the black “tee” and the fitting on the bottom of the alarm box. If the

Figure 1

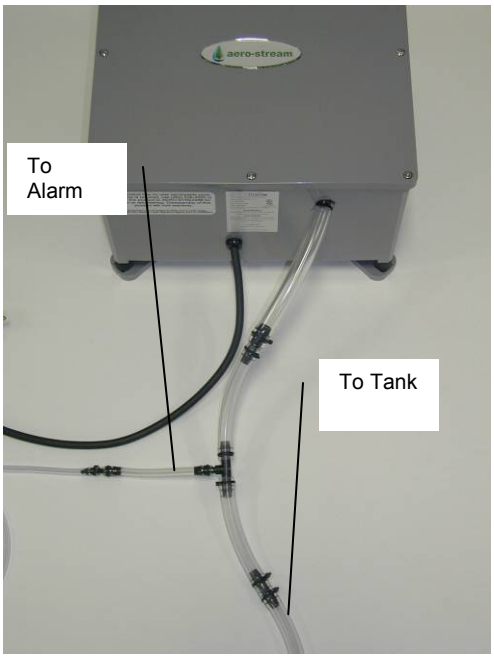

Figure 2

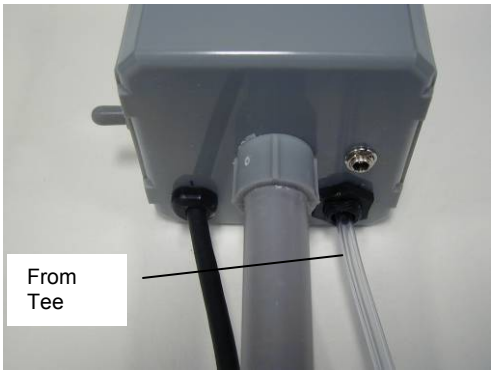

Figure 3

connections are tight, pinch the large air line after the black “tee” (on the tank side of the tee) to deadhead the pump. The sound output of the pump will change. If the light goes out the air switch is o.k. and go to step 4. If the light does not go out call Aero-Stream®.

4. Plug the float into the alarm box. Open the septic tank cover. Make sure the float switch is hanging completely vertically in the tank. If not, using a stick, push the float downward until the cord and float are vertical. If the light goes out go to step 5.
5. Allowing the float to hang from its’ bracket, adjust the float switch clamp on the mast upward until the light goes out.
6. If the light does not go out call Aero-Stream®.

Function Configuration

The Aero-ALERT™ can be configured to defeat the audible signal or defeat the air switch to make the unit function as a high water alarm only.

1. To defeat the audible signal gently slide the green connector from the terminal and leave loose inside enclosure (figure 6).
2. To defeat the air switch gently slide the yellow connector from the terminal and leave loose inside enclosure (figure 6).

Options:

P/N: 101859 - DC Power supply to operate the Aero-ALERT™ on 120 VAC.

Figure 7

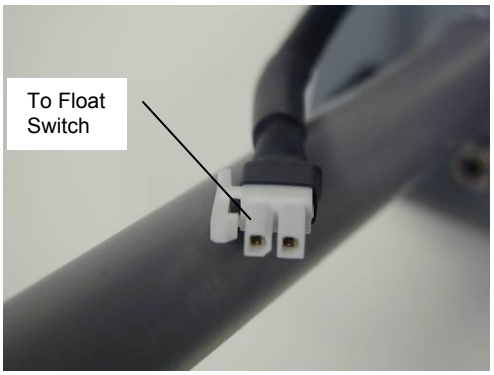

Figure 4

Figure 5

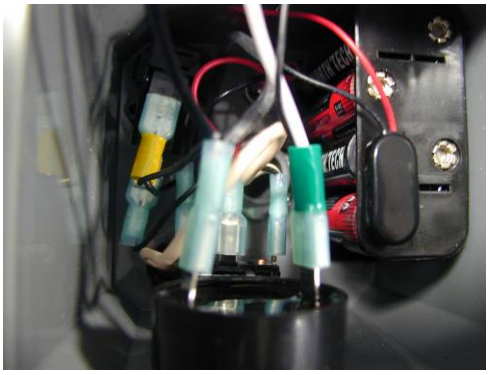

Figure 6

Options: High Water Alarm Float

Directions

1. Remove the clean out cover on the septic tank and determine the depth of the water in the tank and record.
2. Back out the screws in the receiver sections (figure 10) and insert the mast sections into the receivers with the section containing the float clamp at the upper most position. Tighten the screws until the head of the screws bottom out on the receiver.
3. Using the measurement of the water depth in step 1, mark a line on the side of the PVC pipe measuring from the bottom of the base towards the top end of the pipe.
4. Slide the float clamp up or down so the bottom of the clamp is 2” below the water mark and tighten clamp (figure 11).
5. Drill a 5/8” hole through the tank cover or the side of the riser to allow the float switch cord to be pushed through.
6. Feed the free end of the float switch through the hole drilled in step 5.
7. Lower the float assembly into the tank ensuring the pipe is in a vertical position.
8. Pull the excess float switch cord through the hole and mark the cord at the point it exits the tank.
9. Install the strain relief around the cord (figure 12) at the mark from step 8.
10. Grasping and compressing the strain relief with a pliers, push it into the 5/8” hole (figure 13). If the strain relief is pushed into concrete, apply silicone caulk around the strain relief to seal out water and hold in place.
11. Plug the free end of the float switch wire into the wire connector on the Aero-ALERT™ (figure 4).
12. Burry the float switch cord 3” - 4” below the ground surface.

Figure 8

Figure 9

Figure 10

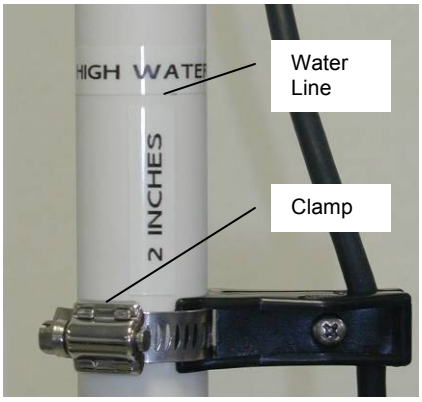

Figure 11

Figure 12

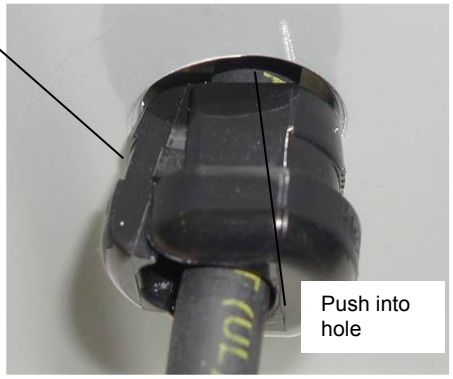

Figure 13