



## AMS-D System Assembly Instructions

Once you receive your shipment, carefully unpack its contents.

The System is packaged into two boxes for its protection during shipment:

- 1) The Above-Drum Assembly (pictured below) and,
- 2) The In-Drum Assembly



You received or will receive your tubing, nozzles, fittings and insecticide directly from Dead Fly Zone. Your system was shipped directly from our manufacturer's warehouse.

The Above-Drum Assembly consists of the Control Box, Motor, Pump and associated fittings. These are bolted to an Aluminum mounting plate and are pre-wired for ease of installation. These will be mounted on the lid of the drum.

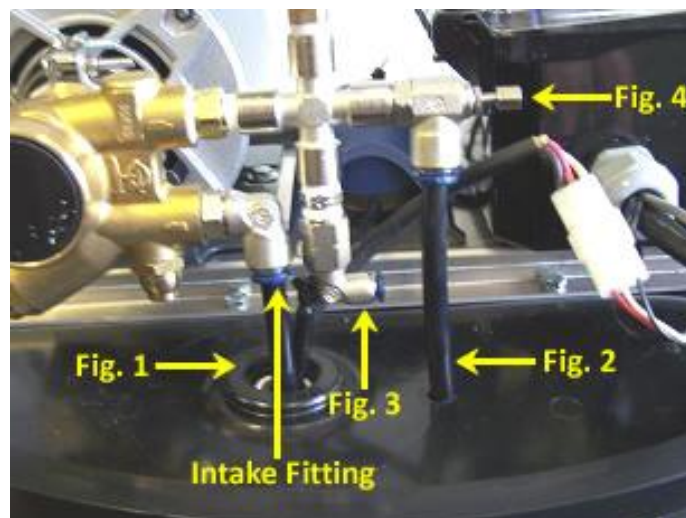
The In-Drum Assembly consists of the float switch ball, 3/8" intake tube, intake filter, mounted in 3/4" white PVC tubing. These will be mounted inside the drum. See image below.

# Assembly and Programming

- 1) Place the Above-Drum Assembly on the drum lid so the pump intake fitting is directly over the 3/4" threaded hole (Fig. 1). Align the 4 holes in the mounting plate with the 4 holes drilled in the lid. With the bolts, washers and nuts provided attach the mounting plate to the lid, and tighten.
- 2) Carefully turn over the lid, using the box the above drum assembly came in to place the now mounted above drum assembly into, and place the In-Drum Assembly wires and tubing through the 3/4" threaded hole, then thread the pvc fitting into the hole. Attach the filter to the 3/8" tubing. See image below.



- 3) Now turn the lid upright and place it on the drum so the In-drum assembly is inside the drum. Connect the float switch connector to the mating connector from the control box. Connect the 3/8" intake tubing to the intake fitting on the pump, inserting it until clicks (Fig. 1). It's sometimes difficult to properly seat this piece of tubing with just your fingers. Use a needle nose pliers and **GENTLY** grab that tubing and give it a good hard push upwards into that elbow fitting. 99% of the time when new installations are not building pressure it's because this piece of tubing is not seated properly.



- 4) Connect the 12" long piece of 1/4" tubing to the needle valve and insert the opposite end into the hole in the drum (Fig. 2).
- 5) Connect tubing that will go around your facility to the 1/4" output (Fig. 3). Once you have all your tubing and nozzles in place, fill your reservoir about 50% with **water only**. Switch toggle to **TEST**. This will cause your system to run until you switch toggle back to the off position. Let the pressure build and adjust your PSI on your liquid filled pressure gauge to 190-195. Adjust this pressure using the key seen in Fig. 4. Turn clockwise to increase pressure.
- 6) Once you have confirmed all nozzles are spraying and your PSI is adequate switch toggle back to **OFF**. Now pour your insecticide into the reservoir and fill with water to roughly 6" from the top. Use a broom handle or pvc pipe to give it a quick stir. Now replace lid and secure with lid ring.

## Programming The Timer



### Setting the Clock

Press and hold the **CLOCK** Button.

Press the **DAY** button until the correct day is displayed.

Press the **HOUR** and **MIN** until the correct time is displayed.

### Setting the Timer

Press the **TIMER** button

Press the **DAY** button and select one of the 15 programs options (Mo-Su for 7 days a week).

Set the Spray Initiate Time. For every spray, you need to set an **ON** and **OFF**, this does **NOT** affect the spray duration. Use the knob on your control panel to set the desired spray duration. The display will show "1 on". Set the time you want the unit to turn on (ex: 7:00am) by pressing the "hour" and "min" buttons. Press the **TIMER** button again and "1 off" shows in the display. Set the off time for 1 minute later (7:01am). For additional cycles, press the timer key and set "2 on", "2 off" etc. for a maximum is 16 on/off's per day. Remember, you are only setting the times you want the system to activate.

Press the **CLOCK** button once you are done.

**Misting Time:** can be set between 5 -100 sec by adjusting the knob.  
To initiate a spray cycle immediately, push the black 'Mist Now' switch

# Filling The Tank and Setting The Spray Cycle

Fill your reservoir tank up about half way with **just water**. Then pour **BOTH** containers (Vector Ban and SynerPro) into your tank. Make sure your hose is at the bottom of the tank to prevent foaming and then continue to fill until your water level is about 6 inches from the top. Using a broom handle or a piece of PVC pipe, give the tank a good stir. If you are using your system for residential purposes and not livestock, you will only have a container of Vector Ban Plus and no SynerPro. Follow the same instructions for filling.

If you purchased our stall deodorizer (Sweet Smellin' Stables), pour all of its contents in the tank with the insecticide. Everybody goes into the pool together!

You will want to program your first spray cycle as soon as the sun comes up and it starts to get warm. We recommend starting at 7am and then spraying every two hours until 7pm. This will give you 7 spray cycles per day. We also recommend that you spray for approximately 30 seconds for each spray cycle. If you're still seeing flies, increase the spray time to 40 seconds.