



Barn Misting System - 55 gallon





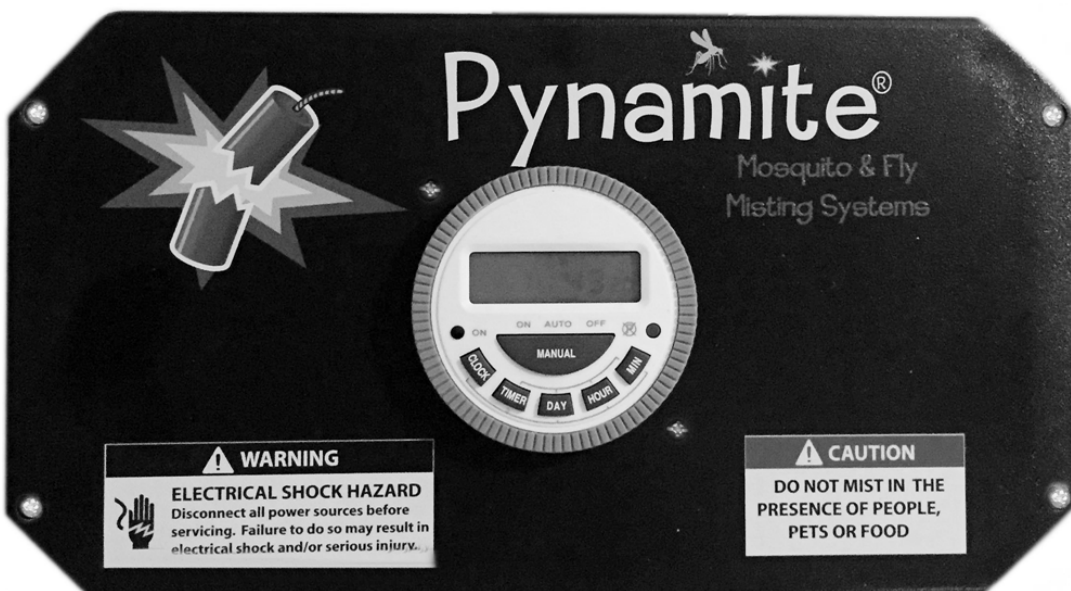
CONTENTS:

- 55 Gallon Barn System
- Outdoor Cover
- Battery Charger

If you should experience any difficulties, issues or problems while assembling or operating your system, contact customer service at info@pynamite.NET or 713-955-2101 or 866-986-5586.

Before installation

Pynamite Mosquito Misting Systems are shipped with a charged battery, however if the system is not installed and plugged in soon after receipt, the battery will discharge. Plug the system in prior to or during the installation to ensure the battery is charged and the system is able to operate fully when installation is complete. Allow 6-8 hours to fully charge a dead battery.



PROGRAMMING THE TIMER

Buttons on Timer

1. LED: To indicate ON/OFF status
2. CLOCK: To adjust current DAY and TIME
3. TIMER: To Review & Set Programs
4. DAY: To adjust Day of Week
5. HOUR: To adjust Hour
6. MIN: To adjust Minute
7. MANUAL: To select ON, AUTO or OFF (see more on MANUAL button below)
8. : Reset Timer's Settings

NOTE: Press button to reset Timer before programming



1. Adjusting CLOCK


Press and hold CLOCK and then press DAY, HOUR, MIN, respectively to adjust clock of Timer to accurate DAY, HOUR & MINUTE. The 24-Hour Format LCD screen shall indicate 0:00-23:59.

2. Programming the Timer

- A. Press TIMER. LCD screen shows .
- B. Press DAY to select any of the preset 15-combinations. Continuing to press DAY, the LCD alternates between the 15-combinations.
- C. Press HOUR, MIN respectively to set desired Hour and Minute for 1 ON.
- D. After finished setting 1 ON, Press TIMER again, will appear on LCD screen to set 1 OFF.
- E. Press DAY to select the same Day combination as 1 ON.

NOTE: DAY-combinations chosen in each of ON/OFF program-period must be consistent

- F. Press HOUR, MIN respectively to set desired Hour and Minute for 1 OFF.

CAUTION: AN "OFF" SETTING OF 1 MINUTE LATER MUST BE PROGRAMMED FOR EVERY "ON" SETTING. For example, if 8:00 is scheduled for ON, then 8:01 must be scheduled for OFF. IF THIS IS NOT DONE, SCHEDULED MISTING CYCLES WILL NOT INITIATE AND REMOTE WILL NOT WORK. At any time entire clock can be reset by pressing the grey button next to .

- G. When finished setting 1 ON & 1 OFF, Press TIMER will appear on the LCD screen.
- H. Repeat programming procedure above to complete additional ON/OFF misting cycles if desired.
- I. When finished programming mist cycles, press CLOCK.

NOTE: To disable a scheduled misting cycle, set the OFF time to the same as the ON time and the system will not mist that cycle.

At any time entire clock can be reset by pressing the grey button next to .

MANUAL Button on Timer – is to select the ON, AUTO or OFF mode of the timer, or to initiate a manual mist. The recommended mode is AUTO.

- When in AUTO mode, the timer will function as programmed above.
- When in OFF mode, the programmed misting cycles will not initiate. Additionally, the Remote Control will initiate a mist cycle while the timer is OFF mode.

To perform a manual mist, press the MANUAL button. After a 2 second delay the system will agitate for 15 seconds and will mist indefinitely. **NOTE: You must press the MANUAL button AGAIN to stop this misting function or the system will continue to mist.** Timer must be returned to AUTO mode for the programmed mist cycles to continue.

AGITATION & MIST DURATIONS are preset. The system will agitate for 15 seconds to purge trapped air from the pump head and agitate the solution in the tank prior to a mist cycle. Then the system will mist for 45 seconds. Each nozzle is designed to mist 1.5 ounces of solution per minute.

BACK OF ENCLOSURE

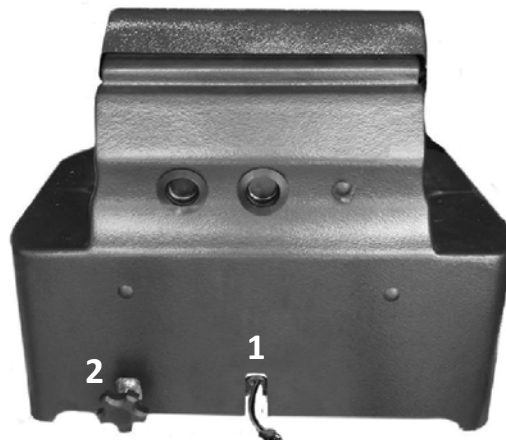
1. BATTERY CHARGER - Used to charge/maintain the system battery. Plug the included battery charger into the end of this cord.

CAUTION: DO NOT yank on cord.

NOTE: Only use the SLA Battery Charger supplied with the unit to charge the battery.

The LEDs on the charger show the Charging Status.

- RED - charger is plugged into a 120v outlet and is charging
- YELLOW - battery is 1/2 charged
- GREEN - battery is fully charged
- NO LED - not plugged into a 120v outlet, reverse polarity, or blown fuse on positive side of the battery



NOTE: Battery Charger may be plugged into 120v outlet continuously without causing damage to the battery.

NOTE: Do not use an extension cord with this system.

2. PRESSURE CONTROL VALVE - Use this to adjust the nozzle circuit pressure up and down. Turn clockwise to increase pressure and counter clockwise to decrease pressure. Operate misting system between 200 - 220 PSI.

WARNING: Do not allow pressure to go over 220 psi.

NOTE: When unit is being stored or not in use for periods longer than 6 months, to preserve battery capacity, keep Battery Charger plugged in continuously.

RIGHT SIDE OF ENCLOSURE

1. PRESSURE GAUGE - Reads the pressure in the nozzle circuit. Pressure is controlled with the Pressure Control Valve on the back of the enclosure. Set pressure between 200-220 psi.

WARNING: Do not allow pressure to go over 220 psi.

2. NOZZLE CIRCUIT FITTING – Insert ¼” tubing into this fitting to begin the nozzle circuit.



SYSTEM SETUP

Once the nozzle circuit has been installed and connected to the system, the system needs to be purged and tested before filling it with insecticide.

- Fill the tank about half way with tap water. **DO NOT ADD INSECTICIDE.**
- Turn the Pressure Control Valve on the back of the enclosure (#2 on Back of Enclosure photo) all the way clockwise.
- Go to the last nozzle in the circuit (or nozzles if you Tee'd off into different runs) and remove the nozzle tip(s) by unscrewing it from the adapter.
- To purge the air out of the system, press the MANUAL button. After a 2 second delay the system will agitate for 15 seconds and then mist indefinitely. Water and air will come out of the open nozzle(s). Allow it to run as long as it takes to get the air out of the lines so that the water runs freely without sputtering. Then press the MANUAL button to stop the misting. Make sure the Foot Valve and Suction Strainer on the 3/8" tube are below the surface of the water.

NOTE: You must press the MANUAL button to stop the system from misting or it will mist indefinitely.



- Once the water is running without air sputtering and the current mist cycle has ended, screw the nozzle tip(s) back on.
- At the system, turn the Pressure Control Valve about halfway between open and closed.
- Press the MANUAL button again. After the 15 second agitation cycle ends, the misting cycle will begin. Begin turning the Pressure Control Valve clockwise to increase pressure.
- Stop when the pressure gets between 200-220 psi. **WARNING: DO NOT RUN PUMP OVER 220 PSI**
- Press the MANUAL button to stop to misting cycle or it will mist indefinitely.
- If the pressure does not get between 200-220 psi, there could be several reasons:
 - Tubing is loose – check every connection where tubing goes into a fitting and make sure water is not leaking out or air is not being sucked in. It is imperative that the tubing is pushed in and swiftly pulled out to lock it in place.
 - Too many nozzles on a linear run – the most optimum run is a looped run, it starts at the Nozzle Circuit fitting on the enclosure and loops back around to tee into the same connection. A Tee'd circuit works well too, just make sure there is an equal number of nozzles on each of the main runs. A linear run can cause the pressure to go down if there are too many nozzles on too long of run of tubing.
- Once the pressure is set, pour in the insecticide and continue filling the tank with tap water.

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MISTING TIMES

The system is preset to Agitate for 15 seconds and Mist for 45 seconds. For fly misting, schedule mists at 8:00 am, 10:30 am, 1:00 pm, 3:30 pm, 6:00 pm and 8:30 pm. To control mosquitoes as well, add misting times at 10:00 pm, 1:00 am and 4:00 am.

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WARRANTY

Lovett Industries, LLC dba Solar Insect Systems (SIS) warrants this Product, to be free from defects in material and workmanship as follows:

- For a period of three (3) years from the date of purchase (whether or not actual use begins on that date), SIS will repair or replace defective electronic parts, and for a period of one (1) year SIS will repair or replace defective battery and/or battery charger with new or refurbished parts, at its option, at no charge. This warranty does not include labor or other costs incurred for diagnosing, removing, installing, shipping, servicing or handling of either defective parts or replacement parts. Additionally warranty does not apply to nozzle circuit or fittings.
- This warranty applies solely to equipment supplied by SIS and is in lieu of all other warranties, expressed or implied. No person, agent, dealer, or distributor is authorized or empowered to give any other warranty or to assume any other liability on behalf of Solar Insect Systems.

Warranty Conditions:

- This warranty is extended only to the original Purchaser and is nontransferable.
- A purchase receipt or other proof of date of purchase will be required before warranty service is rendered.
- Installation, use, care and maintenance must be normal and in accordance with instructions contained in the operating manual and Solar Insect's service information. Failure to do so shall void this warranty.
- All claims for failure to conform to specifications or defects in material or workmanship under this warranty must be made promptly after discovery and, in any event, must be received by Solar Insect Systems not more than three years after the original purchase date.
- SIS reserves the right to inspect the equipment prior to any decision involving a warranty claim.
- SIS reserves the right to make warranted repairs at either the installed site or at SIS's location in Richmond, TX. If SIS opts for repair at its own location, Purchaser is responsible for shipping the item to SIS at its expense.



Manufacturer's obligation under the warranty shall not apply to:

- Any equipment, which has been damaged by negligence, misuse, abuse, neglect and/or improper adjustment (including running the pump over 220 psi), accident, vandalism, acts of God, acts of war, whether declared or undeclared, improper application, or any other contingency beyond the control of Solar Insect System
- Cosmetic damage
- Damage in transit
- Failures caused by products not supplied by SIS
- Failures, which result from faulty installation, set-up adjustments, improper operation, power line surge, improper voltage supply or damage from lightning
- Any equipment that has been repaired or altered without authorization from SIS or in a manner inconsistent with such authorization
- Normal wear on any item or piece of equipment
- Lost items

Manufactured by:

19840 FM 1093 #G7
Richmond TX 77407



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