MistAway® Tankless Misting Unit – Gen III+
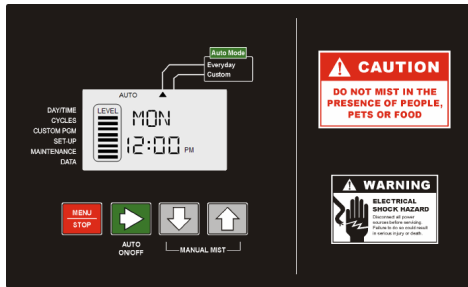
Set Up Instructions

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Using the Controller

- Pressing Green ► button will cycle through each of four System Modes. The ▲ at the top of the display points to the active System Mode.

  1. OFF – Unit will perform a daily agitation cycle and otherwise sit idle.

  2. ON – Unit will allow Remote and MANUAL MISTs, but no AUTO MISTs.

  3. AUTO-EVERYDAY – Misting program runs daily. This is the most commonly used System Mode.

  4. AUTO-CUSTOM – Misting program runs only on days set in CUSTOM PGM menu.

- Pressing Red MENU/STOP button displays triangular cursor by DAY/TIME position on left side of display. Use ▲ or ▼ buttons to cycle through menu structure. Use Green ►button to select menu item and view or change data element within that item.

- Within a menu item, the convention is that the flashing data element can be changed with the ▲ or ▼ buttons. Move to the next data element with the Green ► button.

- Exit the menu item by pressing the MENU button. The unit will revert to previous System Mode in 3 minutes if the MENU button is not pressed.

- Clear any error code by pressing the Red MENU/Stop button for 5 seconds. The System Mode will return to its previous state (usually AUTO Everyday).

- To reset the controller to factory settings, unplug the unit, and hold down MENU and the ▲ buttons while plugging the unit back in. Mist Cycles, remote duration and number of nozzles must be reentered.

11. Set System Mode
- With the display showing day, time and level, press Green ► button to position the ▲ at top of display pointing to the active System Mode:
- OFF - daily agitation cycle only
- ON – remote and manual, but no programmed mist
- AUTO Everyday – program runs daily. This is the usual mode.
- AUTO Custom – program runs on days configured in CUSTOM PGM

12. Test by Activating Remote Mist
- Clear area
- Pres MIST button on transmitter
- Unit will FILL, DOSE, insecticide, Agitate (AGT) and MIST.

13. Determine Nozzle Flow Rate of Circuit
- DATA Menu, read AFR (average flow rate) value
- Enter that value as the nozzle flow rate, NFR, to be used in system error calculations
- DATA Menu, NFR. Press Green ► button for 5 seconds, then use the ▲ or ▼ buttons to adjust value to be the same as read in AFR.

14. Close Lid and Lock
- Secure key in a safe location.

j. **Establish optional External Alarm**
- SET-UP Menu, ALT.
- If sensor installed, set time (in seconds) that alarm will sound prior to each scheduled and remote mist.

9. **Set Misting Schedule**

a. **Set AUTO MIST Cycles**
- CYCLES Menu.
- 2 – 3 scheduled mists of 30 – 60 seconds in duration is common.
- See Section 5, Managing Insecticide for field standard frequency, duration and mist times.
- Blinking C# identifies each automatic mist cycle with current mist duration and mist time. Limit is 24 cycles per day.
- Set mist duration and time (note AM/PM) for each desired scheduled mist.

b. **Set AUTO MIST Days**
- If you don't want to schedule mists for every day.
- CUSTOM PGM Menu.
- Set selected days to ON or OFF.
- System Mode must be set to AUTO Custom.

10. **Charge Insecticide**
- MAINTENANCE Menu, scroll to CHG.
- Depress Green ► button 5 seconds.
- DOSE will flash for extended period as batch tank of fresh water is brought to target concentration.

1. **Position Gen III+ Unit**
- On firm level surface.
- Free from flooding or sprinklers.
- Near GFCI outlet and faucet.

2. **Install Water Supply Line**
- Confirm faucet is able to deliver at least 1 gal/min..
- Be careful not to introduce dirt or other contaminants into line.
- Insert 3/8" tubing/filter assembly into 3/8" bulkhead fitting located at the back right corner of unit.
- Thread adapter onto faucet (or optional hose bib "Y").
- Measure and cut 3/8" nylon tubing
- Run water to flush line before connecting to filter inlet.

3. **Connect Nozzle Circuit**
- To ¼" bulkhead fitting at back right corner of unit.
- If zone kit, install according to instructions provided.

4. **Connect Remote Antenna**
- Thread onto coax fitting on top of unit.

5. **Connect Electric Power**
- GFCI Outlet.
- 115 volts minimum. Confirm voltage with multi-meter.
- 15 amp circuit required. Unit draws 9 amps when misting. Ensure total load of unit plus all other devices on circuit does not exceed breaker rating.

6. **Run Inspection Cycle**
- MAINTENANCE Menu, scroll to INS.
- Depress Green ► button 5 seconds
- Unit will fill and mist for 5 minutes or until stopped.
- Confirm pump pressure (240 psi) and insert plastic plug into pump adjustment port.
- Confirm no leaks in nozzle circuit
- If zone valve installed, repeat for INS2.

7. **Install Insecticide and Program Dose Settings**

    a. **Secure Cap on Bottle**
        - Remove factory cap and seal from pour port.
        - Thread bottle cap onto pour port, ensuring it is not cross-threaded or too tight.

    b. **Vent Opposite Port and Insert Bottle into Coupler**
        - Remove seal on vent port so that bottle does not collapse as insecticide is pumped out.
        - Insert bottle into coupler (Pressing button on coupler will free bottle for removal.)
        - EMPCAR (empty cartridge) continues to appear in display.

    c. **Set Dose Settings**
        - MAINTENANCE Menu, scroll to REFILL
        - Depress Green ► button 5 seconds to enter routine.
        - Set MIX ratio (parts water to 1 part concentrate) to target. Default is 108:1 See Section 5, Managing Insecticide for guidance
        - Push Green ► button to advance
        - Set bottle size (BOT) in ounces. Default is 64 oz. Range is 2 to 256 oz.
        - Push Green ► button to advance
        - Set LEVEL in the bottle. Eight bars indicates a full bottle of the size entered in previous step. Four bars indicates bottle is ½ full.
        - Push Green ► button
        - DONE will be displayed.
        - VENT will be displayed. Confirm VENT by pushing Green ► button.

8. **Program System Setup**

    a. **Set Daylight Savings Time switch**
        - DAY/TIME Menu.
        - Set to ON if daylight savings in effect, OFF if not.
        - Press Green ► to advance.

    b. **Set Day and Time**
        - Set Day and Time. (note AM and PM)
        - Exit by pressing Menu button.

    c. **Set REMOTE MIST Duration**
        - SET-UP Menu, REM.
        - Set duration in seconds.

    d. **Orient Remote Transmitter**
        - Set dip switches in remote transmitter. (see Section 4, Using the Remote)
        - SET-UP Menu, LRN.
        - Depress Green ► button 5 secs, until LRN On and countdown starts.
        - Depress Remote Transmitter button until DONE is displayed.

    e. **Set MANUAL MIST Duration**
        - SET-UP Menu, MAN.
        - Set duration in seconds.

    f. **Set # of nozzles**
        - SET-UP Menu, NOZ.
        - If zone valve installed, repeat for NZ2.

    g. **Set Agitation Parameters**
        - SET-UP Menu, AGT.
        - Set duration of agitation that occurs prior to each AUTO mist. Default is 15 seconds.
        - Set time of once-daily agitation. Default is 3:00 pm.
        - SET-UP Menu, RAG.
        - Set duration of agitation that occurs prior to each REMOTE mist.

    h. **Establish optional Wind Sensor**
        - SET-UP Menu, SEN.
        - If sensor installed, ON. Otherwise OFF.

    i. **Set Max Wind Speed (wind sensor required)**
        - SET-UP Menu, WND.
        - Set max wind speed.