# Operating Instructions

## AquaTimer Duo®

English

### Congratulations!

You now own one of the best water timers available. With more than 60 years of experience, Melnor has a full line of innovative, high-quality watering tools. Look for Melnor for all your watering needs.

Your AquaTimer Duo offers two watering outlets, one timed, the other untimed. The timed outlet is intended to handle your daily watering chores. With the second outlet, you can wash the car or handle any other watering need without disturbing your timed setup.

This timer also features the ability to manually control the Timed Outlet, offering you complete flexibility.

*Note: Remove the protective film from the display.*

### Installing the Battery

1. Open the battery cover by removing the two screws.

2. Install one new 9-volt battery (not included) with terminals down and in the position shown.

3. Replace the battery cover and re-secure with the screws. Now your timer is on and ready for you to begin programming it.

### Additional Battery Information

A good quality, fresh battery should last one watering season.

Replace the battery at the beginning of each watering season.

Remove the battery when the timer is not in use for an extended period of time.

### Attaching the Timer to the Faucet

You may wish to program your timer before you attach it to the faucet.

Be certain the Untimed Outlet is in the Off position and then twist the top nut onto the faucet outlet. Tighten firmly, but do not overtighten. Once the timer is attached, turn on the faucet and leave it on.

### Notes on Using the Control Panel

You will use the buttons on the control panel to program the unit. The (-) and (+) buttons will be referred to as the Minus and Plus buttons.

When words or numbers blink on the screen, your input is required.

The screen will shut off after about four minutes of button inactivity. You may "wake" the unit at any time by pressing the Menu, Enter or Manual On/Off button.

While you are setting the unit, if you wish to start over or clear what you have input, simply press the Menu button and begin again.

After you have programmed your timer, when you press Menu, the screen will display Current Time and Day and show whether the watering Program is On or Off. The Stop and Start Times will display only when the unit is in a watering cycle (actually watering), either programmed or manually.

*Note: You can program your timer while it is on or off the faucet. It may be easier to set the unit before you attach it.*

### Setting Time and Day of the Week

After you insert the battery, Current Time and Day appear. The screen shows the time as "12:00 PM S" (Sunday). It shows the watering Program is Off.

The hour blinks. Use the Minus or Plus button to choose the current hour. Please be certain you enter the right time of day (AM/PM). When you reach the correct hour, press Enter.

Now the minutes blink. Use the Minus or Plus button to choose the current minute(s). When you reach the correct minute(s), press Enter.

Now the letter "S" blinks for Sunday. Use the Minus or Plus buttons to choose the current day of the week. When you reach the correct day, press Enter.

### Setting a Watering Program

Think about your watering needs. How often do you want to water? For how long? When is the best time to water? With this timer, you can water daily, every other day, or on a completely flexible schedule. It may be helpful to write down a schedule before you begin this phase of programming the timer. Remember, the maximum length of any one watering cycle is three hours.

Press Menu. Program blinks. Press Enter. Watering Days appears. Every Day blinks. You now have three choices. Using the Minus and Plus buttons, you may choose Every Day, Every Other Day or Independent Days and Times.

### Watering Every Day

This is for people who want the same watering schedule every day.  When Every Day blinks, press Enter.  The start time for the first watering cycle begins flashing.  Set the Start Time in the same way you set the current time. Press Enter.  Then set the Stop Time for the first watering cycle. Press Enter. The Mist Cycle will begin flashing. Select Yes or No and press Enter.

The timer will move onto Cycle 2. If you do not wish to enter more cycles, simply press the Menu button.  The Program On/Off indicator will blink.  Turn the program On and the programming is complete.

If you wish to enter a second cycle, follow the same steps as you did for the first.

Continue until you have programmed up to six cycles. When finished, press Menu and then turn the program on.

Mist Cycle:  While misting, the unit alternates between two minutes of watering and six minutes of resting for as long as you choose.  You may choose mist for any duration of watering. Misting allows water to soak in to the dirt while minimizing runoff.

### Watering Every Other Day

This is for people who wish to water in the same manner every other day.  Press Menu and enter the Programming Mode. When Every Other Day blinks, press Enter.  Enter the watering cycles in the same manner as above.  Once you have set all the cycles you want, press Menu to exit the program-setting mode.  Press Enter to activate the program you have just entered.

### Watering at Independent Days and Times

When you select Independent Days and Times, your AquaTimer Duo provides completely flexible watering options. When Independent Days and Times blinks, press Enter.  You will see an "S" blinking.  This represents Sunday.  Using the Minus/Plus buttons, go to the first day you wish to water and press Enter.

Watering Cycle 1 appears along with the hour of the Start Time.  Set the start and stop times and whether the Mist Cycle is On or Off as before.  Watering Cycle 2 will appear. You can set up to 6 cycles per day in the same manner. When you are finished setting the day's cycle(s), use the Plus button to move to Next Day on the screen.  Press Enter. Now, whatever the next day is will blink.

Again using the Plus button, choose and Enter the next day you wish to water.  Set the Watering Cycle Start and Stop Times.  Once you have set all the cycles you want for all your chosen watering days, press Menu to exit the program-setting mode.  Press Enter to activate the program you have just entered.
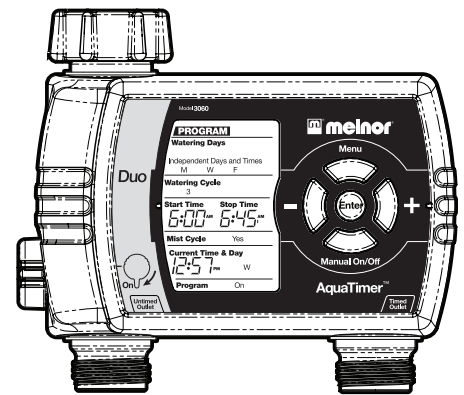
### Reviewing or Changing Your Program

To review the current program, press the Menu button. Program blinks.  Press the Plus button to move to the blinking REVIEW option, press Enter.  Use the Minus and Plus buttons to go through all the cycles of the watering program.

To change your watering program, you will start from the beginning to create a new program.  Turn the unit on by pressing any button.  Press Menu.  Program is blinking.  Press Enter to begin inputting your new watering program.  Go through the steps already outlined above.

### Attaching Timer to Faucet and Hose to Timer



Screw the black, plastic coupling nut on top of the unit to the faucet. When it is secure, turn the water on at the faucet. Leave it on.  Be certain to turn the water off at the faucet before you remove the timer.

Attach the hose to the Timed Outlet on the right side of the timer.  Melnor Electric Aqua Timers are completely compatible with the Melnor Quick Connect system and other major hose connector systems.

### To Temporarily Disable the Watering Program

Press the Menu button and use the Plus button to move to Program On/Off.  Use the Minus and Plus buttons to select Off and press Enter.  Repeat this process to turn the program back On.

### Watering Manually

You can manually water from either the Timed Outlet or Untimed Outlet

From the Untimed Outlet, simply  attach a hose to the outlet on the left side of the timer.  Turn the valve on the left downward to begin the water flow.

To manually water from the Timed Outlet, press the Manual On/Off button on the control panel.  The valve will open and the Stop Time indicator will show indicating 30 minutes.  The valve will close after that time.  If you wish to have the valve open for a longer or shorter time, simply adjust the Stop Time using the Plus or Minus buttons.  The maximum time you can set is 3 hours.

### Low Battery

When the battery becomes weak, the unit will display Low Battery. If the unit is watering at that time, the unit will automatically shut off and stop running the watering schedule. However, it will store the current watering Program in memory until a new battery is installed. The unit will not run until the battery is replaced.

After inserting a new battery, the Current Time and Day must be re-entered and the timer defaults to Program Off. To maintain the existing program, press Menu, use the Minus and Plus buttons to scroll to Program On/Off, press Enter to accept, select either On or Off, and press Enter again. This will turn the unit back on and keep it in the existing watering schedule. Otherwise, a new program can be created by pressing Menu and Enter to begin the programming steps explained above.

### Operating Tips

■ Always use a fresh alkaline battery. Replace it at the beginning of each watering season.

■ Do not use rechargeable batteries.

■ Use with water pressures from 5 to 125 PSI (0.3 to 8.5 bar).

■ Do not expose timer to temperatures below 32° F (0° C) or above 160° F.

■ This timer is not intended for hot water use.

■ Be careful when moving the hose. Pulling may damage the timer.

■ To prevent clogging, regularly clean the filter washer located inside the coupling nut.

■ Once your timer is programmed, the screen will display current time and day of the week. And it will indicate whether the watering Program is On or Off. The Program must be On for any watering to occur.

### Frequently Asked Questions

Q: Can I prevent watering or stop it while in progress?

A: *Yes. To stop watering while in progress, press the MANUAL ON/OFF button. You also can temporarily disable the watering program. Press the Menu button and use the Minus and Plus buttons to arrive at Program On/Off. Use the Minus and Plus buttons to select Off and press Enter. When you are ready to resume your watering Program, repeat this process to turn the program back On. The Program will remain disabled until you reverse this process.*

Q: Can I erase or delete the watering Program?

A: *By creating a new program you delete the old one. See "Setting a Watering Program."*

### Trouble Shooting Guide

**Problem:** Screen does not display information.
**Possible Cause:** Batteries installed incorrectly.
**Solution:** Re-install batteries.
**Possible Cause:** Weak batteries.
**Solution:** Install new alkaline batteries.

**Problem:** Unit won't let me set up watering cycle.
**Possible Cause:** Battery installed incorrectly.
**Solution:** Re-install battery.
**Possible Cause:** Time and/or day set incorrectly.
**Solution:** Re-enter time and day.

**Problem:** Watering schedule did not run.
**Possible Cause:** Cycle programming is incomplete.
**Solution:** Re-program the unit.
**Possible Cause:** Time and/or day set incorrectly.
**Solution:** Re-enter time and day.
**Possible Cause:** The Program has been set to "Off."
**Solution:** Set the program to "On."

**Problem:** Battery is low after a very short time.
**Possible Cause:** Weak battery was used.
**Solution:** Install new battery.

**Problem:** Low water pressure.
**Possible Cause:** Clogged filter.
**Solution:** Clean filters on timer and watering device.
**Possible Cause:** Faucet is only partly open.
**Solution:** Open faucet fully.
**Possible Cause:** Hose is pinched or damaged.
**Solution:** Check hose.
**Possible Cause:** Water being delivered to too many devices.
**Solution:** Limit number of devices in use at same time.