

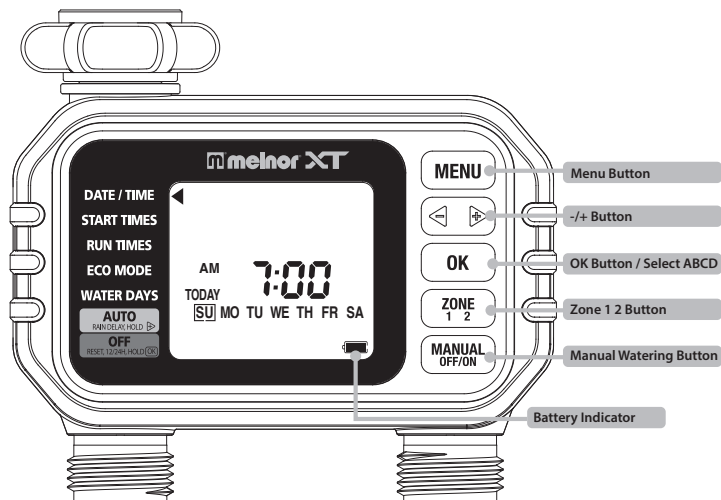


**77100**

**Advanced Two-Zone Electronic Water Timer**

User Instructions ■ English

77100\_INS\_ENG\_02

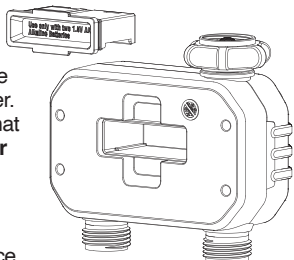


**1 Understanding Zones**

- This is a two zone timer allowing you to water two different areas from the same faucet.
- Each zone can be programmed with up to four different start times.
- You can use the **PLANNING TABLE** provided on the back of this sheet to help organize your watering schedule for each zone.

**2 Battery Installation & Assembly**

- Remove the battery holder from the back of the **Timer Control Unit**. Insert two AA alkaline batteries (Do not use rechargeable batteries) as indicated on the battery holder. Replace the battery holder, making sure that it is firmly and securely placed in the **Timer Control Unit**.
- **Note:** Do not use your timer when the air temperature is below 40°F (4.5° C). When storing your timer, be sure it is in a dry place and protected from frost.



We recommend replacing batteries when the indicator reaches

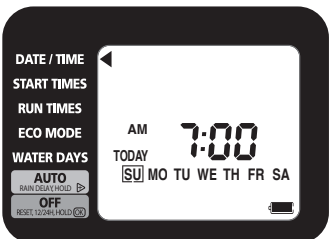


**Installation of the Timer**

- Attach the timer to an outside faucet and turn on the water. The water must be left on while the timer is attached to the faucet for your timer to operate.
- **Note:** You may choose to program your timer before or after attaching it to the faucet.

**3 SET DATE/TIME: “Set Current Time and Day”**

- The Water Timer default setting is a **12-hour** mode (AM/PM). To ensure correct timing, look for either **AM** or **PM** to the left of the time. To switch between **12-hour** (AM/PM) and **24-hour** (military time), under **OFF** hold the **OK** **BUTTON** for 10 seconds. **12-hour** mode shows AM or PM while **24-hour** mode does not. **Note:** Changing time mode will erase all programs.

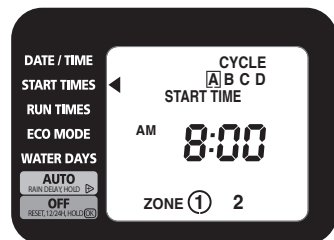


- Before setting your watering times, you must first set the current time and day of the week. When the batteries are first installed, the arrow in the screen will point to **DATE/TIME**. If it is not in that position, press the **MENU** **BUTTON** until the arrow is pointing to **DATE/TIME**.
- On your screen, a flashing box will appear around the **SU**. Simply set the timer to the current day by pressing the **-/+** **BUTTON** until the square is on the correct day. Once the correct day has been indicated, press the **OK** **BUTTON**.
- To set the time, press the **-/+** **BUTTON** until the correct time appears on the screen, and then press **OK** **BUTTON**.
- Press the **MENU** **BUTTON** to move to **START TIMES**.

Hold the **-/+** **BUTTONS** to advance settings more quickly.

**4 START TIMES: “What time-of-day do you want to water?”**

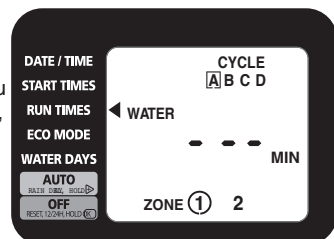
- You can select up to four independent start times (**CYCLE A, B, C, D**). With the arrow pointing to **START TIMES** on your screen, **CYCLE A** should be highlighted, use the **-/+** **BUTTON** to select the first watering time.
- If you want to set another **START TIME**, press **OK** **BUTTON** to move to **CYCLE B**. Repeat the process above to set the next **START TIME**. You may select up to four **START TIMES**.
- When you have set all desired **START TIMES**, press the **MENU** **BUTTON** to move to **RUN TIMES**.



**Note:** You will see **ZONE 1** highlighted at the bottom of the screen; program **ZONE 1** before moving to **ZONE 2**.

**5 RUN TIMES: “Set the length of each watering cycle.”**

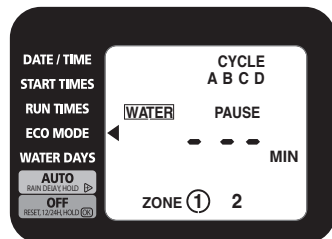
- With the arrow pointing to **RUN TIMES**, use the **-/+** **BUTTON** to select the length of each watering cycle. After setting the **RUN TIME** you want to water during a selected cycle, press the **OK** **BUTTON** to move to the next cycle. Repeat until **RUN TIMES** have been set for each cycle.
- **RUN TIMES** can be set for up to 360 minutes (6 hours) for each watering cycle. The Cycle length cannot overlap the next **START TIME**.



**Note:** You can only select Watering Cycles if you have set a start time in **Step 4** above.

**6 ECO MODE: “Reduce runoff and conserve water.”**

- **ECO MODE** reduces runoff by creating pauses during watering cycles. The pause allows water to soak into the soil.
- This is an optional setting. To skip this step, press the **MENU** **BUTTON** to move to **WATER DAYS**.
- Setting **ECO MODE**: check to make sure the arrow on the screen is pointing to **ECO MODE**. The word **WATER** should be highlighted, use the **-/+** **BUTTONS** to select the watering duration then press the **OK** **BUTTON**.
- With the word **PAUSE** flashing, use the **-/+** **BUTTONS** to set the pause duration.
- Example: **ECO MODE** setting for 3 minute watering, 3 minute pause



**15-Minute Cycle**



**5-Minute Cycle**

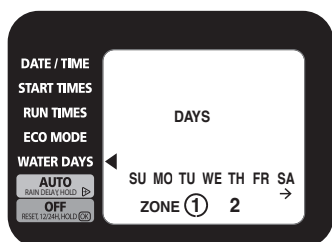


**Note:** Once you create **ECO MODE** settings, it applies to all programmed watering cycles (**Cycle A,B,C,D**) on **Zone 1**. **Zone 2** can use different **ECO MODE** settings.

- When you have set the desired **ECO MODE** times, press the **MENU** **BUTTON** to move to **WATER DAYS**.

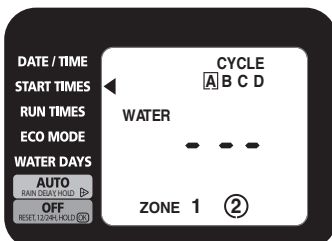
**7 WATER DAYS: “What days do you want to water?”**

- Check to be sure that the arrow on the screen is pointing to **WATER DAYS**. With this setting, you can select specific days to water or an interval period of the day when watering will occur.
- To set the watering day, use the **-/+** **BUTTONS** to select the day-of-the-week you wish to water. Press the **OK** **BUTTON** when the desired day-of-the-week is highlighted on the screen. You can select as many days as you like. The days selected will have a square around them.
- To water at preset intervals, press the **+** **BUTTON** to navigate past the days of the week. Press the **-/+** **BUTTONS** to set the time period (**EVERY 1 DAY** through **EVERY 7 DAY(s)**).



**8 SETTING ANOTHER ZONE: “Keep your plants watered on separate cycles.”**

- When you have set **START TIMES**, **RUN TIMES**, **ECO MODE**, and **WATER DAYS** for **Zone 1**, press the **MENU** **BUTTON** back to **START TIMES**.
- Press the **ZONE 1 2** **BUTTON** to select **Zone 2**, and repeat steps 4-7 above.
- When all desired zones are set, press the **MENU** **BUTTON** to enter **AUTO** mode.

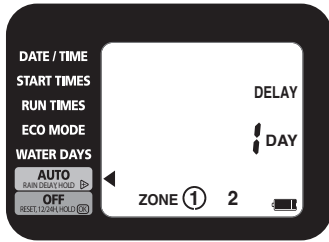


## 9 AUTO MODE: “Your timer is ready to go.”

- In **AUTO** Mode, your timer will run the watering program you have entered.
- The screen display will alternate between showing the current time and the next watering cycle of each zone.

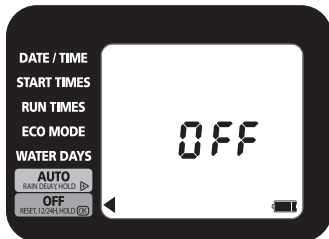
## 10 RAIN DELAY: “Manually prevent watering when rain is in the forecast.”

- If there is rain in the forecast, you can temporarily suspend your watering program on one or both zones for up to 31 days using the **RAIN DELAY** feature. After the selected delay has ended, your watering program will automatically resume.
- To set the Rain Delay, check to make sure the arrow on the screen is pointing to **AUTO**.
- Hold the **+ BUTTON** until the word **DELAY** appears. Press the **Zone 1 2 BUTTON** to select which zone you want to delay. Now press the **+ BUTTON** to set the duration of the delay. You can reduce or deactivate the delay period with the **- BUTTON**.
- Once the delay time is selected, press the **OK BUTTON**.
- To cancel **RAIN DELAY**, press and hold the **- BUTTON** until **DELAY** is set to “--”.
- Note:** In the **RAIN DELAY** mode, the screen will alternate between the current time and the remaining delay time.



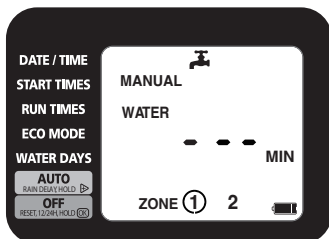
## 11 OFF MODE: “Stop watering for an extended period.”

- To stop watering indefinitely, press the **MENU BUTTON** until the arrow on the screen points to **OFF**. The timer will not water while in this mode. The screen will display the word **OFF**.
- Entering **OFF** Mode will not erase any existing watering schedules.
- To start watering automatically again, press the **MENU BUTTON** until the arrow on the screen points to **AUTO**. The program will begin watering at the next previously scheduled **START TIME**.
- Note:** Watering will be stopped for both zones when this feature is activated.



## 12 MANUAL WATERING: “Fill a bucket, clean the car or wash the dog.”

- Before using Manual Watering, make sure the arrow on the screen is pointing to **AUTO** and that no scheduled watering program is running.
- To use a hose or other watering tool, simply press the **MANUAL BUTTON**. Then using the **ZONE 1 2 BUTTON** select which zone you want to use.
- Using the **+ BUTTON**, select the length of time you wish to water. After a few seconds, the valve will open, and then automatically close when the selected time is reached.

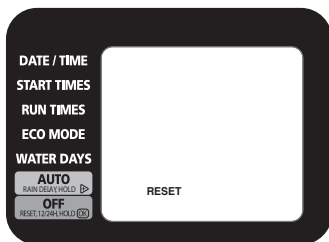


## 13 TIMER RESET

To completely erase all settings in the timer and return to the original factory settings, under **OFF MODE**, press and hold the **OK BUTTON** for 10 seconds. The screen will display **RESET**.

You will need to press and hold the **OK BUTTON** a second time under **OFF MODE** to change the clock format.

**Note:** All programming will be lost when the timer is **RESET**. After **RESET** You may need to change the time setting between **12-hour** (AM/PM) and **24-hour** (military time). See **Step 3** for further instructions.

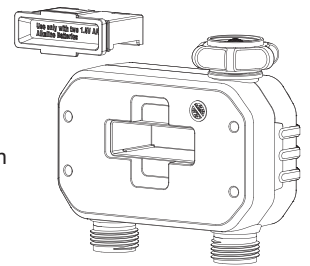


## USEFUL TIPS

### Open Valve During Installation

Shaking during transportation can cause valves to be open. If this occurs, water may run continuously through the valves during installation.

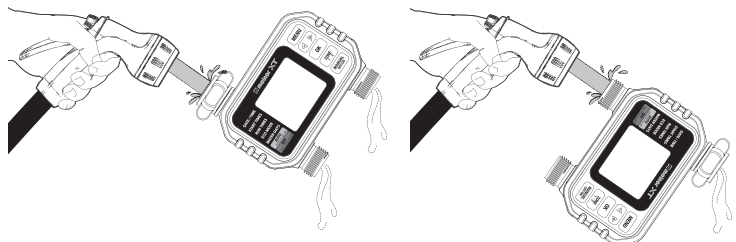
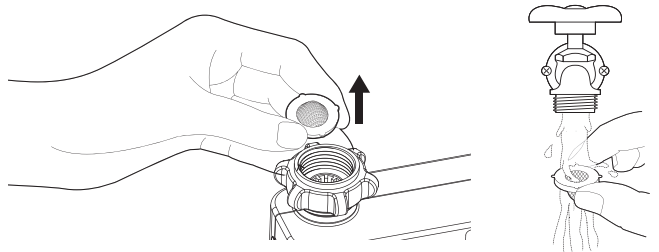
- Turn the water off.
- Remove the batteries. Wait for the screen to go blank. Reinsert the batteries.
- Note:** Removing the batteries will not erase any existing watering schedules.
- Turn the water back on.
- If the problem persists, turn off the water. Use the **Manual** feature to open and close the valves 3 times.



### Cleaning Your Timer

You should clean your timer periodically. Debris or sediments commonly found in water can build up in your timer.

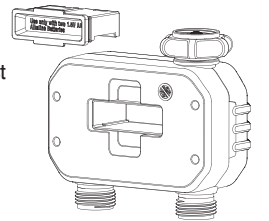
- Turn off the water. Remove the timer from the faucet and check that the filter washer is clear. If you notice any debris, remove the filter washer and clean it out with water. Activate the **MANUAL** mode by pressing the **MANUAL** button. Open the valves and spray water through the valves and the faucet connection to flush out any built-up sediments or debris.



### Seasonal Storage

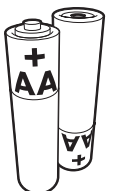
Freezing temperatures can cause water in the timer to freeze and expand, damaging the timer.

- At the end of the season or when there is frost in the forecast, turn off the water and remove your timer from the faucet.
- Remove the batteries.
- Be sure to store the timer indoors, away from freezing temperatures.



### Tips for Battery Life

- Make sure to use fresh alkaline batteries.
- Do not use rechargeable batteries.
- Remove the batteries at the end of the season before storing.
- Batteries should last about one season. A schedule with more frequent watering times can cause the batteries to drain faster.



## PLANNING TABLE

ZONE 1	CYCLE A	CYCLE B	CYCLE C	CYCLE D
Start Water (Time)				
How Long (Minutes)				
ZONE 2	CYCLE A	CYCLE B	CYCLE C	CYCLE D
Start Water (Time)				
How Long (Minutes)				

**WARNING:** This product can expose you to chemicals including styrene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**WARNING:** This is not a toy. Intended for outdoor agricultural or horticultural use only. Severe electrical shock could result if water is sprayed into outlets or sources of electrical current. Do not use water more than 115°F (46°C). Do not use when the ambient air temperature is less than 40°F (4.5°C). When not in use, drain and store indoors away from freezing temperatures.