

ELECTRONIC WATER TIMER

Owner manual



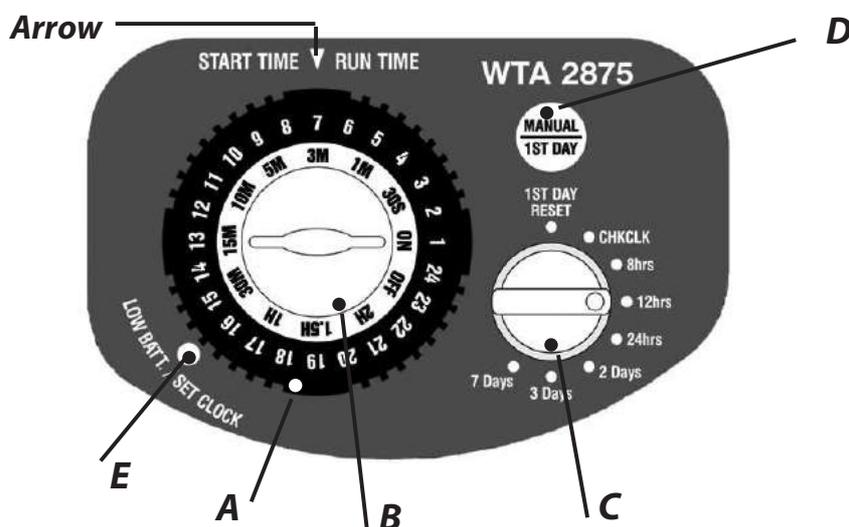
RAIN BIRD WTA 2875 WATER TIMER

1. INTRODUCTION:

Thank you for choosing Rain Bird. **We recommend that you carefully read the following instructions in order to use your new Rain Bird water timer to its full capacity.**

Your Water Timer can be programmed before installation or after installation. For the first time, we recommend you to program it first and then install it on your faucet following the instructions below.

2. CONTROL PANEL PRESENTATION:



A: “Hour” dial (black outer dial) has 2 functions:

- 1) First it allows you to set current time of the built-in clock.
- 2) Then it allows you to program watering start time. The dial is marked from 1-24 in hours.

B: “Watering run time” dial (white inner dial) has 2 functions:

- 1) First it allows you to set watering time from 30 seconds to 2 hours.
- 2) It can also allow you to manually start a watering run for an undefined run time.

C: “Watering frequency” dial (small white knob) has 3 functions:

- 1) It allows you to select the watering frequency you wish.
- 2) It allows you to program the 1st watering day when you have selected a watering frequency which is every 2 days or more.
- 3) It will allow you to check the current time of the built-in clock.

D: “Manual / 1st day” push button (Small white push button D) has 2 functions:

- 1) It allows you to select the first watering day when you select an every 2 days or more watering frequency.
- 2) It can also allow you to manually start a watering run for a prescheduled run time.

E: LED has 4 functions. It indicates:

- 1) The incorrect position of one of the dials (1 flash once per second)
- 2) Low batteries (1 flash once every 2 seconds)
- 3) The correct setting of the current time (light during 10 sec.) when you replace batteries.
- 4) The correct setting of current time (permanent light) when you want to check the current time clock.

3. PROGRAMMATION:

3-1 CURRENT TIME SETTING:

Set the black dial (A) to the current hour before installing the batteries.

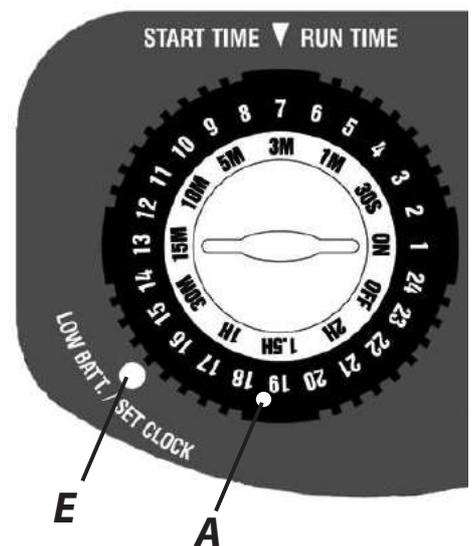
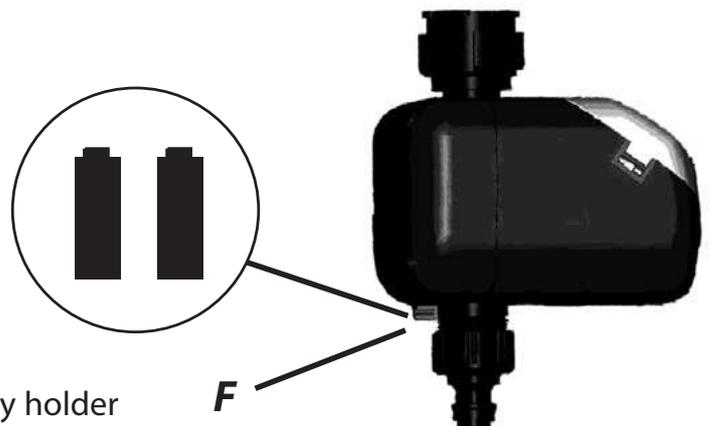
Note: You cannot program the minutes.

Example: If it is 07h10 (7:10 AM) set the dial on 7 position as shown (see arrow)

Then install the batteries. Remove the battery holder cover (F) and install batteries inside. Reinsert the battery holder into the timer and make sure it is correctly locked. As soon as the batteries are installed the LOW BATT./SET CLOCK LED "E" will light up for approximately 10 seconds. This confirms that the current time of the built-in clock is properly set to the time indicated by the outer black dial (A). You can now program your automatic irrigation.

Important:

- Use two(2)X 1,5 V alkaline batteries only (type AALR6).
- Do not use rechargeable batteries.
- Make sure batteries and battery holder are perfectly clean and dry.
- Make sure to respect the "-/+ "orientation of batteries as shown on the white label.
- If your removes the batteries, the internal clock will lose the current time. Make sure the outer dial is always set-up on the current time when you replace the batteries.



3-2. PROGRAMMING YOUR AUTOMATIC WATERING:

To set-up automatic watering program, you need to define:

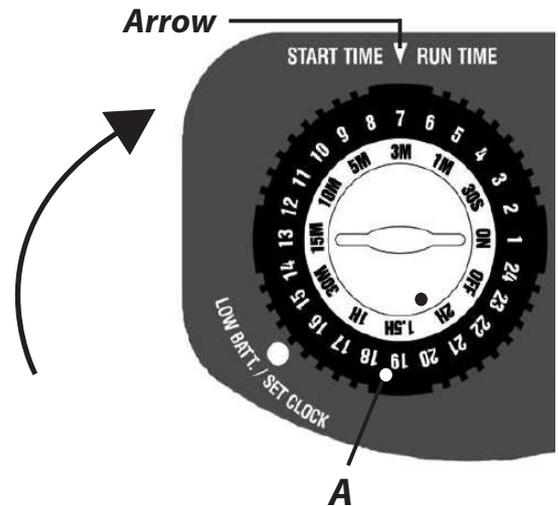
- The hour of the first irrigation run (start time)
- The duration of the watering run (watering run time)
- The frequency of watering (watering frequency)

3-2-1 START TIME PROGRAMMATION:

Set the black dial (A) on the start time you wish. The hour should be exactly under the arrow. The black dial (A) is marked in 1-hour increments.

Note: As seen above, it is not possible to program the minutes of the current time, as a consequence start time might be delayed.

Example: If you have set up the current time on 12h00 when it was 12h10, the watering would start at 7h10 if you set the start time on 7h00.

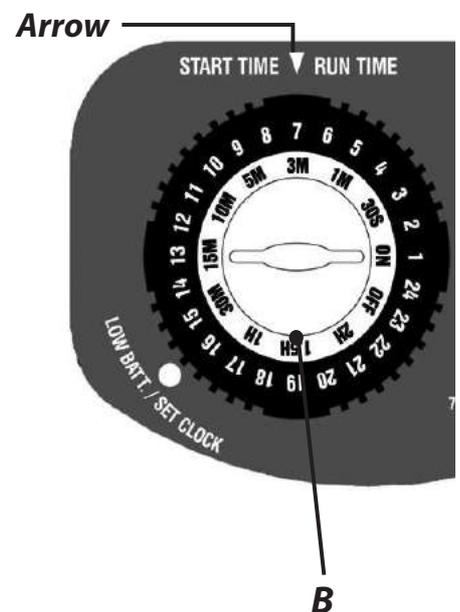


3-2-2 WATERING TIME PROGRAMMATION:

Just set the white dial (B) to the desired watering run time under the arrow. In the example below, the run time is 3 minutes.)

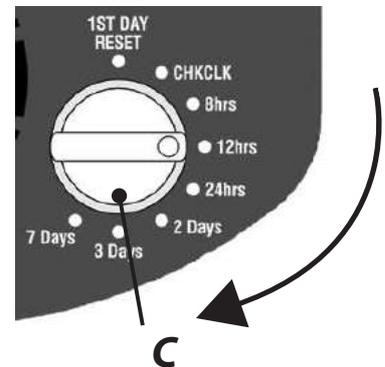
3-2-3 WATERING FREQUENCY PROGRAMMATION:

You have the choice between watering every 8 hours / every 12 hours / once a day / once every 2 days / once every 3 days or once a week.

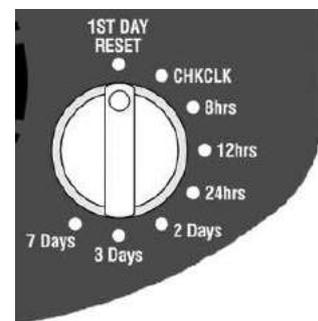


| Timer markings | Explanations |
|----------------|-------------------------|
| 8 h | Watering every 8 hours |
| 12 h | Watering every 12 hours |
| 24 h | Watering once a day |
| 2 days | Watering every 2 days |
| 3 days | Watering every 3 days |
| 7 days | Watering once a week |

If you choose every 8 hours, every 12 hours or once a day, just turn the small white knob (C) to the desired watering frequency.



If you choose once every 2 days, once every 3 days or once a week, you can define the 1st watering day. To program the 1st day in a watering cycle, set the knob (C) on "1st Day Reset".



You can then decide if the 1st watering cycle should start today, tomorrow or the day after. Just press the white "Manual/ 1st Day" push button (D) according to the chart below.



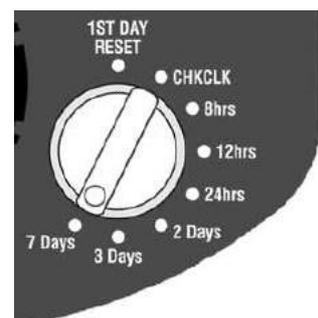
| Action | Result |
|--|---|
| Press the "Manual/ 1st Day" button once | The cycle will start today |
| Press the "Manual/ 1st Day" button twice | The cycle will start tomorrow |
| Press the "Manual/ 1st Day" button 3 times | The cycle will start the day after tomorrow |

When done, place then the knob (C) to the desired watering frequency(2 days / 3 days / 7 days)

Example: Today is Tuesday and you want to water once a week on Thursday.

- Set the knob (C) on "1st Day Reset".
- Press 3 times on "Manual/ 1st Day" button (D) to go from Tuesday (1st push), Wednesday(2nd push) to Thursday (3rd push). The led should flash each time you press the button.
- Then set the knob (C) on "7 Days"

Your timer is now programmed for automatic watering. You can now install it on your faucet.



4. INSTALLATION

Your Rain Bird WTA 2875 water timer can be screwed directly onto a standard water faucet (3/4" or 21X 27). You can connect a hose at the bottom of the timer using the black quick coupling adapter (H), provided in the box. Make sure that the black rubber seal inside the adapter is correctly positioned before screwing it.

Important:

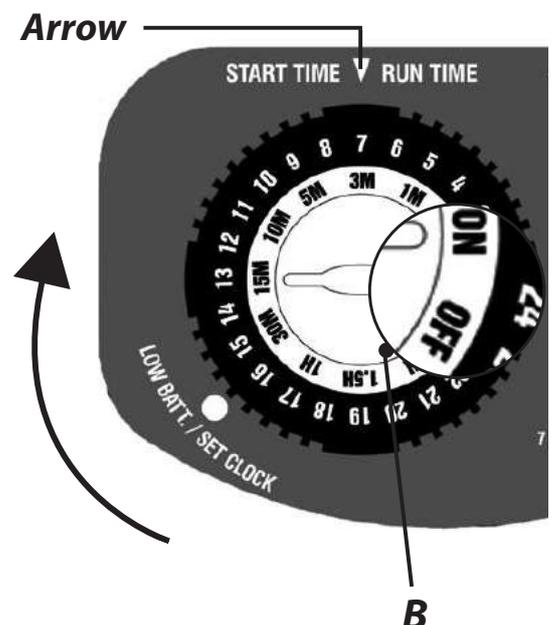
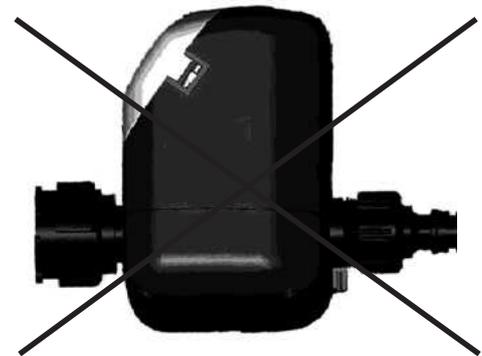
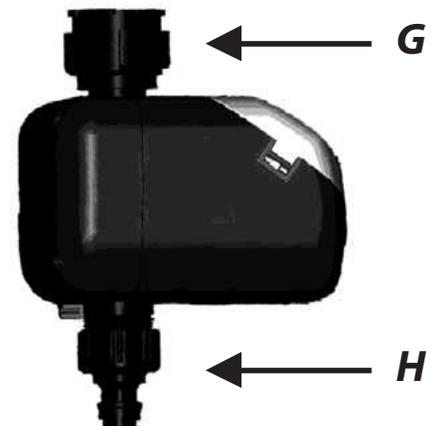
- Position your hose timer in vertical position only.
- Make sure that the filter is correctly positioned inside the plastic nut (G).
- Do not use any chemical products or teflon tape on the thread when installing the hose end timer on the faucet. The filter has a build-in seal to prevent leakage.
- Start screwing by hand the plastic nut (G) on the faucet.
- Warning: The nut should screw very easily on the faucet during at least the first 2 turns. If not, this means that the timer is not correctly aligned with the outlet of the faucet. Unscrew it and try again carefully.
- After at least 2 turns, the nut should start to be more difficult to turn. Tighten it one more turn by hand only. Do not use any tools that could damage the thread.
- Warning: If you connect a hose at the bottom of the timer, do not pull on the hose: It might damaged the timer.

5. MANUAL WATERING

You can also start watering manually:

Option 1: Watering with manual stop.

If you want watering for an unlimited time period, set the Watering Run Time dial (B) to "ON" under the arrow. Watering will start with a delay of 2 seconds.



WARNING: This manual start requires a manual stop. Watering will continue until you set back the dial on the "OFF" position or to an automatic irrigation position (watering run time).

Option 2: Watering with automatic stop.

If you want watering with automatic stop using the same programmed run time used in automatic irrigation (30 seconds to 2 hours), press the small white button (D) marked "Manual/1st Day" once. Watering will start and operate for the programmed run time, and then will stop automatically.



6. CHECK CLOCK FUNCTION:

If you want to make sure that the timer's internal clock matches the current hour place the "Watering Frequency" knob (C) on "CHKCLK". position Then set the hour black dial (A) to the current hour ,under the arrow. If the internal clock is correctly programmed, the LED (E) would light continuously. in point 3-1 (current time setting).

7. FLASHING LED / WARNING:

If the "LOW BATT/ SET CLOCK" LED (E) flashes:

- Flash once per second: One of the dials (A, B or C) is improperly set between 2 markings.
- Flash once every 2 seconds: The batteries are flat (not enough power to properly control your water timer). You need to replace them by brand new batteries (1,5V alkaline batteries ,type AA-LR6)

8. REMARKS:

At any time:

- You can immediately stop a manual or an automatic watering run by setting the white dial (B) on "OFF position" (except if batteries are too low).
- You can change the start time by changing the dial "A" position"
- You can change the watering time by changing the dial "B" position".
- You can change the watering frequency by changing the dial "C" position".

9. MAINTENANCE:

Your water timer is designed to ensure reliable operation for years. However some cautions are required:

- When the timer is not in use for long time period (example: winter), remove the batteries and store your timer in a sheltered location
- Filter must be clean regularly to avoid clogging.
- We recommend you to replace the batteries by brand new batteries once a year (for example at the beginning of each watering season).
- Use your water timer with clear water only.

TROUBLE SHOOTING

| Symptom | Cause | Solution |
|--|---|--|
| Led (E) is flashing once per second | <ul style="list-style-type: none"> - One of the A, B, or C dials is between 2 defined position. | <ul style="list-style-type: none"> - Check the good position of each dial. |
| Led (E) is flashing once every 2 seconds | <ul style="list-style-type: none"> - Low batteries | <ul style="list-style-type: none"> - Replace the batteries by brand new batteries. Make sure to set again current time. |
| There is a water leakage at the faucet nut (G). | <ul style="list-style-type: none"> - The timer is not correctly align with the faucet outlet. - The filter with built-in seal is missing - The nut is not tighten enough - The faucet outlet has not a flat surface to provide good sealing | <ul style="list-style-type: none"> - Unscrew the timer and install it correctly following the instructions provided in this manual. - Make sure the filter is in place and correctly oriented. - Tighten strongly the nut. - Clean the faucet outlet or change the faucet |
| There is a water leakage at hose adapter (H). | <ul style="list-style-type: none"> - Missing seal - Adapter not tighten enough - Hose connector is not correctly installed. | <ul style="list-style-type: none"> - Make sure the seal is in place. - Tighten the adapter. - Resinstall correctly Hose connector on adapter. |
| Timer does not irrigate when dial B is placed in "ON position" | <ul style="list-style-type: none"> - Faucet is closed or no water supply. - Batteries are flat. - Batteries are not correctly oriented into battery holder. | <ul style="list-style-type: none"> - Open Faucet. Check water is available. - Replace batteries by brand new batteries - Place batteries according to the white label instructions on the battery holder. |
| Timer does not close when dial B is placed in "OFF position" | <ul style="list-style-type: none"> - Battery holder is not correctly locked. - Batteries are flat. - Batteries are not correctly oriented into battery holder. - Batteries or battery holder are wet or dirty | <ul style="list-style-type: none"> - Make sure battery holder is correctly locked. - Replace batteries by brand new batteries - Place batteries according to the white label instructions on the battery holder. - Clean and dry batteries and battery holder. |
| Automatic watering does not start or not at expected hour. | <ul style="list-style-type: none"> → See in the right column "Solution" - Icon "B" is in "OFF" position - Icon "C" is on "1st day reset" or "chkclk" position. - Current time is not correctly set-up - Current time has been correctly set up but not at an exact hour (ex: when it was 8h40) - There is no irrigation programmed that day because irrigation frequency is set-up on one every 2 days or more. | <ul style="list-style-type: none"> → First try to make a manual start and follow solutions above in case of failure - Place Dial "B" on a watering time position. - Place Dial "C" on a frequency position - Check current time as explained in instruction manual. Set it up if needed. - Set again the current time when current time is corresponding to an exact hour. - Change the frequency or make sure you have correctly programmed the 1st watering day. |
| Automatic irrigation does not stop. | <ul style="list-style-type: none"> → See in the right column "Solution" | <ul style="list-style-type: none"> → Try to make a manual stop and follow solutions above in case of failure. |