



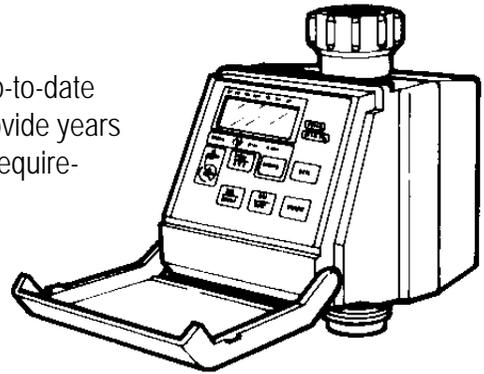
WTD-1900

ELECTRONIC WATER TIMER

Owner's Manual

Your new WTD-1900 Electronic Water Timer uses the most up-to-date electronics available. The design of this unit is intended to provide years of trouble free service and flexibility in meeting your watering requirements. *Do not subject the unit to freezing temperatures.*

We recommend you read this Owner's Manual Completely before installing timer to ensure proper operation and safety.



Thank you for choosing RAIN BIRD®.

Figure 1

Day Bar indicates current day and when programming indicates days chosen for watering.

Mode Bar indicates which timer function is active: Clock, Program or Auto Mode.

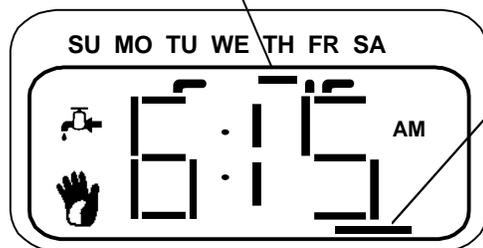
Faucet Icon indicates whether water is on or off.

Hand Icon indicates timer is in Manual Mode.

Use to activate Manual Mode.

Use to set current day and watering cycle.

Use to set current time, and set beginning and ending times.

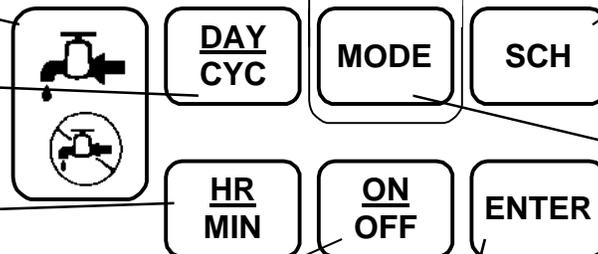


Indicates active cycle.
Indicates current schedule.

MANUAL PRG AUTO

Use to advance through watering schedule options.

Use to move between timer functions: Clock, Program, or Auto Mode. Use to return to Auto Mode after using Manual Mode.

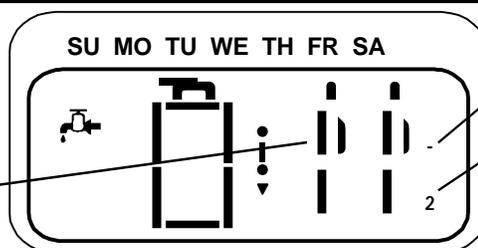


Use to select specific days to water for the "-" Cycle.

Use to save program settings.

Figure 2

Minutes remaining in watering schedule



Active Cycle

Active Schedule

Your timer can have one active program at any one time. You can choose from a list of 8 different programmed watering cycles. (Detailed in Table 1.) You may choose specific days of the week to water in the Cycle labeled "-". Or you may choose a Cycle which will water on interval days, such as every three days.

You may set up to 6 different start and stop times for your active Cycle to help meet your landscaping needs. For instance, your new lawn may need several short watering periods on a daily basis, so you would choose Cycle 1 for every day watering and input all six start and stop times.

You will enjoy the convenience your WTD-1900 Electronic Water Timer provides. If you need assistance or want to comment on this Rain Bird product, please call our toll free Expert Advice Line at 1-800-247-3782. Thank you again for choosing Rain Bird.

STEP 1: BATTERY INSTALLATION

Remove battery compartment cover and install (2) two "AA" alkaline batteries (not included) in the battery cartridge holder. Match the battery polarity markings (+ / -) as indicated. Secure the battery cover on the water timer, making sure it is properly sealed.

Open the front cover by gently pulling it toward you. The timer will now automatically run a Low Battery Test. LO will show on the screen if the batteries are defective. The Day Bar should now be flashing below "SU" on the screen to indicate reliable batteries.

You are now ready to begin the programming process for your electronic water timer. Once programming is complete, the cover should be closed.

NOTE: Remove the batteries when the timer is not in use for a long time period to prevent corrosion. The Clock and Programs must be reset whenever the batteries are removed for longer than one (1) minute.

STEP 2: CLOCK SETTING

When the batteries are initially installed, the display will show 12:00 AM and a flashing bar directly beneath SU (Sunday) at the top of the display.

Press the “MODE” key until the Mode Bar is above the clock symbol. ⌚

Be sure to depress the buttons firmly.

Press the “DAY/CYC” key to move the Day Bar and select the current day. (Example, if today is Thursday, press the “DAY/CYC” key until the flashing bar advances to TH as shown in Figure 1.) Press ENTER to confirm. The Day Bar will stop flashing and the hour digits will begin flashing.

Press the “HR/MIN” key to select the current hour. Be sure to advance to the correct hour showing AM or PM in the upper right-hand corner of the display. Press ENTER to confirm.

Press the “HR/MIN” key to select the current minute. Press ENTER to confirm.

The Day Bar below the current day should now be flashing, which indicates that the clock is set.

STEP 3: SETTING AND CHANGING PROGRAMS

Table 1 on the next page describes the watering schedule options available. Only one Cycle is in operation at a time.

TO INPUT YOUR PROGRAM

Press “MODE” key until the Mode Bar is above “**PRG**”. At this time, the LCD will display an empty schedule shown as —:— (a dash will be flashing to the right of **CYCLE**). For first time battery installation, all schedules are empty schedules.

Press the “DAY/CYC” key to set the frequency of watering. The number on the right hand side of the display, next to the word **CYCLE**, will change as described in Table 1. Only *one* cycle is in operation at a time. Press “DAY/CYC” to advance to desired cycle.

Press the ENTER key to save cycle content and confirm cycle mode.

If you have selected Cycle 1 through 7, proceed to Step 4.

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WTD-1900 SCHEDULING OPTIONS		
CYC	Schedule Description	Active Days
1	Random days Every Day	Your choice repeated weekly
2	Every other Day	First water day
3	Every 3 Days	is the day
4	Every 4 Days	the unit is
5	Every 5 Days	programmed
6	Every 6 Days	i.e: today.
7	One day a week	Your choice of day

Use the blank table on page 10 to list the information you need in order to complete your programming. This will help format your watering programs.

Table 1:

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- a) The "SCH" mode number will now be flashing and the "ON" Faucet Icon will appear on the display. To input the start and stop times of the schedule number that is flashing, press ENTER. (To advance to the next schedule number, press the "SCH" key if the schedule number is flashing.)
- b) Press the "HR/MIN" key to select the **beginning hour** water cycle. Press ENTER to save. Press the "HR/MIN" key again to select the minutes. (For example, if you want to start watering at 6:15 AM, select 6 AM as the hour and 15 as the minutes.) Press ENTER to save.
- c) Press the "HR/MIN" key to select the **ending hour** water cycle. Press ENTER to save. Press the "HR/MIN" key again to select the minutes. Press ENTER to save.

Repeat the above instructions, A through C, to set up to 5 more daily watering schedules if desired.

When finished entering all start and stop times, press the "MODE" key until the Mode Bar is above the position marked AUTO. Your WTD-1900 is now programmed and ready for operation.

Expert Advice line 800-247-3782

MY WATER TIMER PROGRAM						
Cycle:	Active Days:					
	1	2	3	4	5	6
Start Times						
End Times						

When timer is watering, display will show the number of minutes left to water in active schedule. See Figure 2 on inside front cover.

TO MODIFY YOUR PROGRAM

When changing and existing program, press the "MODE" key until the Mode Bar is above **PRG**. The last cycle number used will be flashing and the schedule number will appear.

To make changes in the cycle number or cycle days to water, follow Steps 3 and 4.

If you have selected Cycle “-” continue below. This step is required for the “-“ cycle only:

The Day Bar will be flashing below **SU**. Press the “DAY/CYC” key to move the mode bar to the desired watering days and press the “ON/OFF” key to select that particular day. The “ON” or “OFF” faucet indicator will be displayed confirming your selection.

Repeat the above steps for each watering day desired. A solid bar Day Bar will be shown above the days you have chosen.

Press the ENTER key to save the settings.

STEP 4: SELECTING WATERING START AND STOP TIMES - SCHEDULES

There are (6) six different daily schedules (1 schedule = a start time and a stop time) available to help you select the daily frequency of watering. For example, a new lawn may require a short period of watering four to six times daily.

LOW BATTERY DETECTION

If a low battery is detected, the timer will always switch to OFF position and “LO” will begin flashing. All the internal memory such as system clock and programmed schedules will be stored and waiting for battery replacement.

The letters “PO” will be flashing on the LCD to indicate that the power is OFF during the battery changing stage, and requires immediate replacement of battery.

NEW BATTERIES SHOULD BE RE-INSTALLED WITHIN 1 MINUTE AFTER “PO” FLASHING, OR THE STORED DATA WILL BE LOST.



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