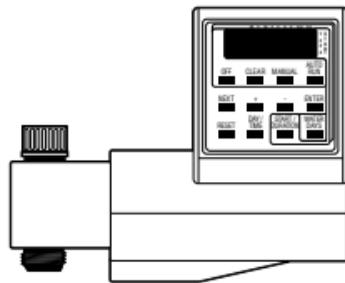


Hose Faucet Model 62001/62401

La Llave de la Manguera Módulo 62001/62401
Modèle 62001/62401 pour robinet d'extérieur



Installation and User's Guide

La Guía de Instalar y Usar
Mode d'emploi et d'installation

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Introduction

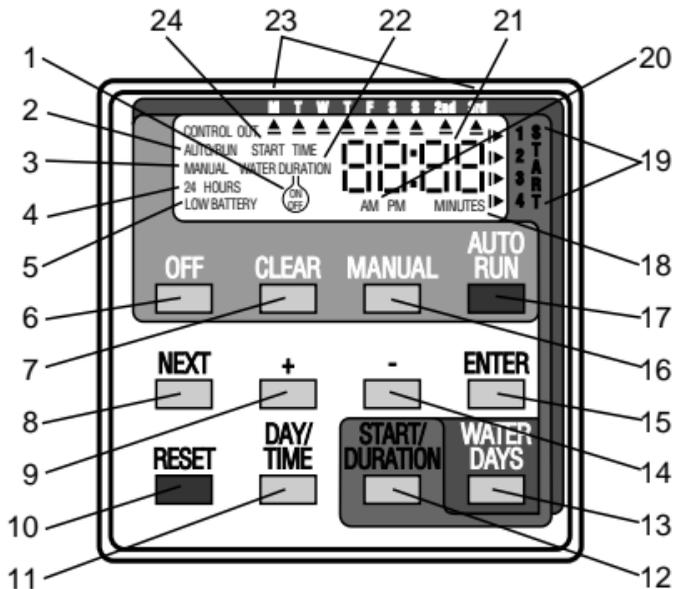
Thank you for selecting a quality Orbit timer. You will enjoy many years of satisfactory service if proper installation and care is observed.

The Orbit Timer keeps your yard beautiful whether you are at home or away. Orbit gives you convenience and flexibility, letting you use an automatic watering program or override the automatic program for special watering needs.

The Orbit Timer provides up to 4 start times per day with watering periods from 1 to 360 minutes per start time.

For ease of use, the User's manual has step-by-step instructions for installation, setup and operation. Please read the manual completely before installation, programming and operation.

Note: Use only with two 9-volt alkaline batteries. As an option, you may use household currents with an Orbit Transformer Model No. 62008, or appropriate transformer matching your voltage and plug type.



Key Pad and Display

1. Indicates if watering is on or off.
2. Indicates timer is in the Auto/Run mode.
3. Indicates timer is in the Manual Watering mode.
4. Indicates watering is off for 24 hours.
5. Indicates Low Battery, or that batteries need to be replaced.
6. Push to turn watering off indefinitely.
7. Push to clear entries and inhibit watering for 24 hours.
8. Push to advance display settings.
9. Push to increase time on clock, watering start time and watering duration.
10. Push to erase all old settings.
11. Push to set clock and days of week.
12. Push to set start time and watering duration.
13. Push to choose days of week for watering.

14. Push to decrease time on clock, watering start time and watering duration.
15. Push to memorize information on the display.
16. Push to set manual watering sequence.
17. Push to set automatic watering mode.
18. Indicates watering duration in minutes.
19. Indicates the four start times selected.
20. Indicates A.M. or P.M. for clock and start time.
21. Indicates clock, start time and watering duration.
22. Indicates watering duration is active.
23. Indicates days of week, and every 2nd and 3rd day.
24. Indicates start time.

Installation

4.

General Information

1. Location
 - Choose a spot where water drains away from house and window wells.

Warning: For outdoor use on cold water only.

2. Plumbing Codes
 - Follow all watering and back flow (anti-siphon) prevention codes.
3. Specifications
 - Water pressure: Min. 10 psi/Max. 80 psi working pressure
 - Temperature: Min. 35 degrees F/Max. 110 degrees F
 - Electrical: Two 9-volt alkaline batteries

4. Installing the Batteries

- Remove the two screws on the battery compartment cover using a Phillips screwdriver. [See Figure 1] Install two fully-charged alkaline batteries. Put back plate on and replace screws.

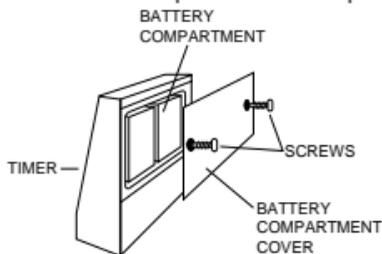


Figure 1

- Two 9 volt fully-charged alkaline batteries should last an entire watering season. However, check the timer periodically for low voltage. When the battery power drops below the safety zone, the “Low Battery” indicator appears on the display. Replace the batteries with new fully-charged batteries when this appears. [See Figure 2]

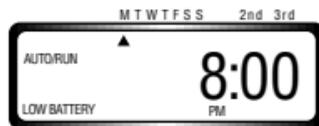


Figure 2

5. Remove the timer by sliding it away from the valve. Attach the automatic valve to a hose faucet tightly to avoid leaking. Make sure a hose washer is inserted in the brass swivel connector. [See Figure 3]

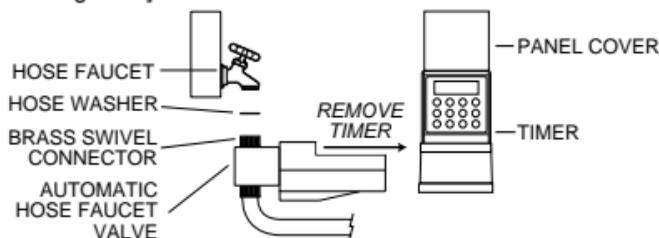


Figure 3

6. Attach a garden hose to the outlet threads.
7. Turn the faucet on slowly to check for leaks. Tighten hose fittings if there are any leaks.
8. The Orbit timer can be programmed while attached to the valve or removed from the valve for more convenience. See page 12 or use the Quick Reference on the panel cover for programming instructions.
9. After programming, replace the timer by sliding it onto the valve and securing it in place.
10. To test the valve and timer, follow steps 1-4 for Manual Operating on page 17.
11. Close the panel cover to the timer. Your timer will automatically turn the water on and off according to the programmed schedule.

Programming

Set Clock Time and Day of Week.

- Push **RESET** and **OFF** keys at the same time to erase the current settings.
- Push **DAY/TIME** key. The display shows a blinking cursor below the M at the top of the display. [See Figure 4]



Figure 4

- Push **NEXT** key to move cursor to the desired day of week. Push **ENTER** to record. The time of day will begin flashing.
- Push and hold the **+** key to advance the cursor to the current time of day. Use the **-** key to go in reverse. When time of day is reached, press the **ENTER** key to record.

Set Start Time and Duration for Watering.

- Push **START/DURATION** key. The display shows Start Time, -:—, and a blinking cursor in the Start Time 1 location. [See Figure 5]

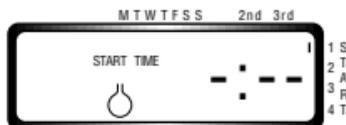


Figure 5

- Set the time you want to begin watering using the **+** or **-** key (remember **AM** and **PM**), then press **ENTER** to record. The display will show Water Duration and the —minutes blinking. [See Figure 6]

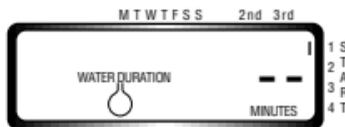


Figure 6

- Push and hold the + key to advance the clock to desired number of minutes for the watering duration. Use the - key to go in reverse, then press **ENTER** to record.
- For up to 4 start times, simply repeat the above procedure.
- When start time programming is complete, press **AUTO/RUN** to activate the timer.

Set Active Watering Days.

Your Orbit timer allows you to choose the days of the week for watering. You can water everyday, only certain days, or every 2nd or 3rd day.

- Push the **WATER DAYS** key. A blinking cursor will appear under M (Monday). [See Figure 7]



Figure 7

- Push **ENTER** to choose that day for watering. A solid triangle indicator will appear below the day of week assigned to watering. The blinking cursor automatically moves to the next day. Push **ENTER** to choose this day. To skip a day, push **NEXT**.
- Repeat until all desired days of week for watering are programmed.
- For watering only every 2nd or 3rd day, push **NEXT** to advance cursor to 2nd or 3rd indicator. Push **ENTER**. A solid triangle will appear for the interval you have chosen. [See Figure 8]



Figure 8

Note: If you choose to only water at intervals of every 2nd or 3rd day, you cannot set specific days of the week for watering.

Automatic Watering

- Press **AUTO RUN**. The Auto/Run, current time and day is displayed with the : blinking. [See Figure 9] The timer is now programmed and watering will begin automatically.

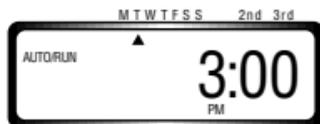


Figure 9

Note: If **AUTO RUN** is not pressed after programming steps are complete, the timer automatically returns to the Auto Run position.

When watering begins, a water droplet with **ON** appears and will count down the programmed time on the display.

Manual Operation

The Orbit Timer allows you to manually water from 1 to 360 minutes. The manual setting does not alter the automatic settings during or after manual use.

- Make sure timer is in the **AUTO RUN** mode. Press the **MANUAL** key. Manual will appear and the minutes display will blink.
- Press and hold the **+** key to advance the clock to number of desired minutes for watering duration (up to 360 minutes). Use the **-** key to go in reverse, then press the **ENTER** key.
- A water droplet with **ON** will appear. The display will alternately blink between the current time of day and number of minutes for manual watering. [See Figures 10 A and B]

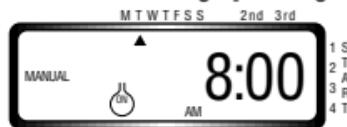


Figure 10 A



Figure 10 B

- To discontinue the manual watering mode, press **CLEAR**. The timer will return to the automatic mode.

Reviewing/Changing Settings

To change current time and day:

- Follow the set clock time and day of week programming instructions. (See Programming, page 12)

To review start time and watering duration:

- Press **START/DURATION**. The first start time will appear with the minutes blinking.
- Press **NEXT** to review watering durations and/or additional start times.
- To change start times or watering durations, press **CLEAR**. Follow programming instructions for start times or watering duration. (See Programming, page 12)

To review watering days:

- Press **WATER DAYS**. The current setting will be displayed.

To add water days:

- Press **NEXT** until the cursor is under the desired day. Press **ENTER**.

To remove water days:

- Press **NEXT** until the cursor is under the desired day. Press **CLEAR**.

When finished press **AUTO/RUN** to return to the auto operation.

Other Features

To Inhibit Automatic Watering for 24 Hours:

- With the timer in the **AUTO RUN** mode, press **CLEAR**. The water droplet will appear with off indicating that watering has been temporarily stopped or inhibited for 24 hours. [See Figure 11]

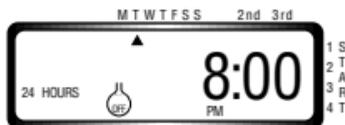


Figure 11

- To cancel the inhibit mode, press **AUTO RUN**. The 24 Hour display and water droplet will disappear.

Note: This feature also works during automatic watering by pressing **CLEAR**.

To Shut the System Down:

- Press **OFF**. The timer will remain programmed but will not start watering. [See Figure 12]

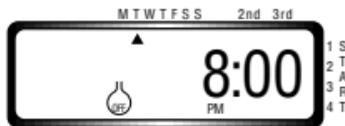


Figure 12

- To cancel the system shut-down, press **AUTO RUN**.

To Reset the System:

- Push **RESET** and **OFF** keys at the same time to erase the current settings.

Off-Season Storage and Maintenance

- Turn the water off at the hose faucet.
- On the timer, press **MANUAL**. Press the **+** key for 1 minute. Press **ENTER** to open valve and relieve pressure to the timer and valve.
- Remove the timer and valve by unscrewing the brass swivel coupling for timer. [See Figure 13]

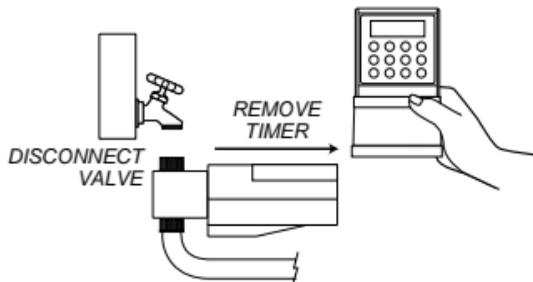


Figure 13

- Remove timer from valve. Clean and dry the timer and valve.
- Remove the batteries. Clean the contacts in the battery compartment. Apply new battery and terminal protection compound. If the batteries show any sign of corrosion, discard them.
- Store timer in a warm and dry place (avoid freezing).

- To insure proper electrical operation from the timer to the base remove the timer as needed and clean the electrical contacts on both timer and base.

Note: If the hose faucet is installed in a cold region, the timer and valve must be removed to prevent the faucet from freezing.

Accessories for Battery-Operated Hose Faucet Timer

- Wire remote Model 62003
The timer can be removed from the valve and placed in a more convenient location using a wire remote adapter. [See Figure 14]

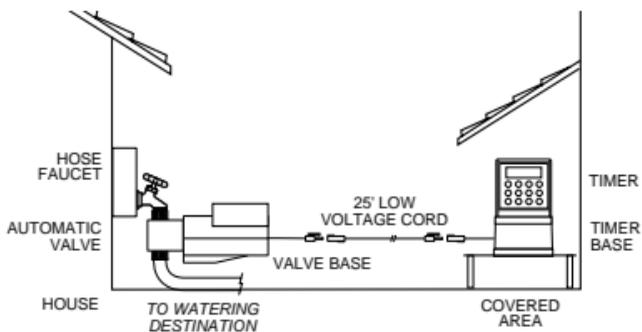


Figure 14

- **Wall mount**

The wire remote comes with a wall mount bracket and base which may be mounted to a wall, or sit on a table.

- Transformer Model 62008

A transformer may be installed to the timer base when using the wire remote adapter. The timer and valve can now be powered by standard home electrical current and the batteries used as back-up power supply. [See Figure 15]

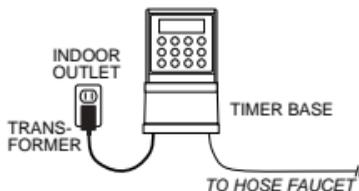


Figure 15

- 25' Low Voltage Extension Cord Model 62007

Additional length up to 50' may be added between the valve and timer using batteries only, and up to 100' using a transformer. [See Figure 16]

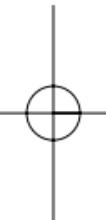


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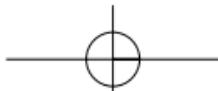


Figure 16

Note: For best operation a transformer should be used whenever possible while using the wire remote adapter.



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Trouble Shooting

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Problem/Possible Causes

Water does not turn on:

1. Programming is incorrect.
2. Batteries are too weak to operate valve.
3. Pressure is in excess of 80 psi.
4. Timer is not properly connected to base of valve.
5. Hose faucet is turned off.
6. Timer is in the off or 24 hour inhibit mode.

Water turns on and off at incorrect times:

1. More than one start time is programmed in timer.

Timer display is blank:

1. Batteries are dead.
2. Faulty display.

Timer will not operate manually:

1. Water to faucet is turned off.
2. Timer is in the system shutdown mode (off).
3. Timer is in the 24 hour inhibit mode.

For assistance call Orbit Technical Services at
1-800-488-6156

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