INSTALLATION
GENERAL INFORMATION
1. Location:
   - Choose a spot where water drains away from house and window wells.
   § Warning: For outdoor use in 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
   - Working Temperature: Min. 32 degrees F/Max. 150 degrees F
   - Storage Temperature: Min. -22 degrees F/Max. 185 degrees F
   - Electrical: Three AA 1.5-volt alkaline batteries
4. Installing the Batteries:
   - Remove timer cover and slide battery compartment cover off in the direction of arrow.
   - Install three AA 1.5-volt alkaline batteries. Slide compartment cover back into place.
   - 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. If old batteries are not replaced before they run out, all controls will be disabled.
5. Replace the timer cover.

PROGRAMMING
SET CLOCK TIME AND DAY OF WEEK
   - Push the indented RESET area to erase the current settings.
   - Push MODE button to select SET. The word SET will blink to indicate that it is selected.
   - Push CONFIRM button to begin the set mode. The word CLOCK will appear to indicate the time/day setting is active.
   - Push ( or ) button to select the current day of the week. The day selected will flash.
   - Push CONFIRM button two more times and NEXT button to set CYCLE B.
   - Push CONFIRM button two more times to move past the set day(s) chosen for watering.
   - Push CONFIRM button to begin the set mode.
   - Push MODE button to return to Mode Selecting.

SET WATERING DAYS
Your Orbit timer allows you to choose the days of the week for watering. You can water every day, only certain days or every 2nd or 3rd day.
   - Push MODE button to select SET. The word SET will blink to indicate that it is selected.
   - Push CONFIRM button to begin the set mode.
   - Push CONFIRM button two more times and NEXT button to move past the time/day setting. The days of the week will be flashing.

SET DURATION AND START TIME FOR WATERING
The Orbit timer allows you to set the duration and start time for watering in each of three watering cycles.
   - Push MODE button to select SET. The word SET will blink to indicate that it is selected.
   - Push CONFIRM button to begin the set mode.
   - Push CONFIRM button two more times and NEXT button once to move past the time/day setting and the watering days. MINS TO RUN will show with two digits or ‘- -’ flashing.
   - Push + or – button to set the duration desired for watering, from 1 to 99 minutes.
   - Push CONFIRM button to confirm the duration and advance to set start time.
   - There are three unique start times, or cycles, that can be set. CYCLE A, CYCLE B and CYCLE C. Each cycle will appear on the screen to specify which one is to be set.

FIGURE 1

FIGURE 2

FIGURE 3

FIGURE 4

FIGURE 5

FIGURE 6

FIGURE 7

Note: When no button has been pressed for 1 minute, AUTO mode will automatically switch on to the programmed settings.

Note: Use only with three 1.5-volt (AA) alkaline batteries.
Push + or – button to set the start time for CYCLE B.
Push CONFIRM button to accept this time and advance to set CYCLE C.
Push + or – button to set the start time for CYCLE C.
Push CONFIRM button to accept this time and return to Mode Selecting.

**NOTE:** When no button has been pressed for 1 minute, AUTO mode will automatically switch on to the programmed settings.

**AUTOMATIC WATERING**
Once watering days, duration and start times are programmed, the Orbit® timer will begin watering automatically.

Push MODE button to select AUTO. The word AUTO will blink to indicate that it is selected.
Push CONFIRM button to begin the auto mode. The timer is now ready to begin watering automatically.

When watering begins, MINS TO RUN will alternate with the current time and day to indicate the time left on current cycle.
In this mode, the unit executes any programmed schedule or default schedule.
In this mode, extra (Manual) watering is ceased.
In this mode, Delay mode is canceled.

**NOTE:** When no button has been pressed for 1 minute, AUTO mode will automatically switch on to the programmed settings.

**MANUAL (EXTRA) OPERATION**
The manual setting does not alter the automatic settings during or after manual use.

Push MODE button to select MANUAL. The words MANUAL and SET will blink to indicate that they are selected.
Push CONFIRM button to begin the manual mode. MINS TO RUN will show with two digits or "- -" flashing.
Push + or – button to set the duration desired for manual watering.

Push CONFIRM button to start the extra watering with selected duration.
As watering begins, MINS TO RUN will alternate with the current time and day to indicate the time left on manual cycle.
To discontinue the manual watering mode, push + and – keys together, and extra watering will end immediately.
When the extra watering is finished, the unit will resume auto mode.

**DELAY WATERING**
The Orbit timer allows you to delay automatic watering for 1-24 hours.

Push MODE button to select DELAY. The word DELAY will blink to indicate that it is selected. The unit will initiate a 24 hour delay.
Push CONFIRM button to begin delay mode. "24 Hr" will blink and the word DELAY will appear.

**OFF MODE**
In Off Mode, all watering programs are inactive and no watering will occur.
Push MODE button to select OFF. The word OFF will blink to indicate that it is selected.
Push CONFIRM button to begin off mode.

While in off mode, the unit will continue to display current time and day:
To discontinue off mode, push + and – keys together. The unit will resume auto mode.

**OFF-SEASON STORAGE AND MAINTENANCE**

<table>
<thead>
<tr>
<th>PROBLEM/POSSIBLE CAUSES</th>
<th>WATER does not turn on:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Programming is incorrect.</td>
<td></td>
</tr>
<tr>
<td>2. Batteries are too weak to operate valve.</td>
<td></td>
</tr>
<tr>
<td>3. Pressure is in excess of 80 psi.</td>
<td></td>
</tr>
<tr>
<td>4. Hose faucet is turned off.</td>
<td></td>
</tr>
<tr>
<td>5. Timer is in the off or delay mode.</td>
<td></td>
</tr>
</tbody>
</table>

Timer display is blank:
1. Batteries are dead.
2. Faulty display.

Timer will not operate manually:
1. Timer is in the off mode.

**TROUBLESHOOTING**

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