


OPERATING INSTRUCTIONS FOR MELNOR® TIME-A-MATIC® ELECTRONIC WATER TIMER, MODEL NO. 104

STEP 1: INSERTING BATTERIES

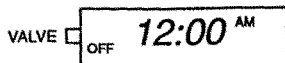
To install batteries, remove screw, then pull bottom cover from timer. Place two (2) "AA" Alkaline batteries (not included) according to "+" and "-" markings (as shown on bottom cover). Replace cover and screw. Valve may move upon installation of batteries. Timer must be reset.


Note: If batteries were incorrectly installed, timer will not function at all.


STEP 2: RESETTING TIMER

Open top cover. Press  key and release. You will observe:

- A gear sound as valve moves to its "OFF" position. Slow opening and closing of valve helps prevent water hammer.
- Display:




1. To verify that the timer has been properly reset: Press . The valve will move to the "ON" position. "ON" will appear in the display. The water passage is open when you look through the coupling nut.


2. Press . The valve will move to the "OFF" position. "OFF" will appear in the display. The water passage is closed

PROGRAMMING YOUR TIMER

STEP 3: SETTING TIME

A. Press  key. (See Fast Advance Option Below). Each key press indicates an increment of one (1) hour. Continue pressing key until current hour shows on display.

PLEASE NOTE: When setting time, 12:00 AM midnight is starting time for a new day.



B. Press  key. (See Fast Advance Option Below). Each key press indicates an increment of one (1) minute. Continue pressing key until current minutes show on display.

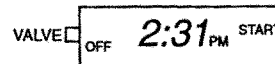
Fast Advance Option:


Hold key down firmly. After a few seconds, time settings will advance quickly. Observe display.

STEP 4: SETTING WATERING PROGRAM


A. START TIME:



PRESS  key (See Fast Advance Option Above). If immediate watering is desired, see NOTE on reverse side for instructions. If program start at specific time is desired, see NOTE on reverse side for instructions. Each key press indicates an increment of one (1) hour. Continue pressing key to advance time, Watering with a delay of one (1) hour up to twenty four (24) hours from present time. Example: Present time is 1:31 PM and you press  once. Start time will be 2:31 PM. Display shows:

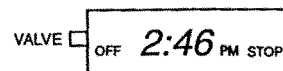


With each pressing of key, start time will be displayed in advancing increments. At twenty fourth (24th) key entry, you will have reached maximum delay and twenty four (24) hours from now, watering will begin. If you want to start earlier, continue pressing  until desired watering start time is displayed.

B. STOP TIME:

Press  key (See Fast Advance Option Above). Each key press indicates an increment of fifteen (15) minutes. Continue pressing key to advance time. Watering stops within fifteen (15) minutes up to three (3) hours from start time. With each pressing of key, stop time will be displayed in advancing increments.

At twelfth (12th) key entry, you will have reached maximum duration of watering which is three (3) hours. If you want a shorter watering period, continue pressing  until desired watering stop time is displayed. Example: Start time is 2:31 PM and you press  once. Stop time will be 2:46 PM. Display will show:



Warranty Card

Name _____

Address _____

Telephone Number _____

Date Purchased _____ Model # _____

Where purchased - Store name _____

Please complete the warranty card. Using scissors, cut out the completed warranty card and mail it along with a photocopy of the sales receipt to:

Melnor, Inc.
E.T. Warranty Department
P.O. Box 2840, 3085 Shawnee Drive
Winchester, Virginia 22601

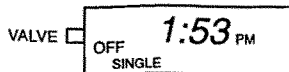
TWO (2) YEAR LIMITED WARRANTY

Melnor® Time-A-Matic® Electronic Water Timer (Model # 104) carries a TWO YEAR (2) LIMITED WARRANTY. Melnor, Inc. warrants the Product against defective material, workmanship or design for the period of two years from the date of purchase. Its liability under this warranty shall be LIMITED TO THE REPLACEMENT OR REPAIR of the product as provided herein. NO OTHER REMEDY (including, but not limited to incidental or consequential damages and injuries to persons or property) shall be available to the purchaser. This warranty does not cover damages or malfunctions which result from abuse, neglect, normal wear and tear, accidents or improper installation or use. THE WARRANTY DESCRIBED IN THIS PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

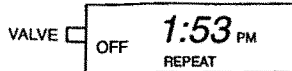
If a defect arises during the TWO (2) YEAR LIMITED WARRANTY PERIOD, in order to make your warranty claim, please send the Timer to the address on the warranty card and include a note of explanation about the problem(s) with the Product. Please allow 6-7 weeks for return of the Product. If it is replaced, the warranty will only continue for the period remaining on the original two year limited warranty.

C. SINGLE/REPEAT FUNCTION

Press **SINGLE/REPEAT** key once for a single (one time) watering cycle. Release key. Display will show as follows if current time is 1:53 PM.



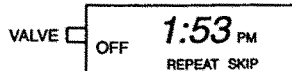
Press **SINGLE/REPEAT** key twice to repeat watering cycle every day at same time. Release key. Watering will repeat until timer is reset. Display will show as follows if current time is 1:53 PM.



NOTE: If a single (one time) watering cycle was already selected, you may change to a repeat cycle by pressing **SINGLE/REPEAT** key once.

SKIP OPTION:

After setting a repeat watering program, SKIP OPTION allows watering to take place every other day. Press **SKIP**. Release key. Display will show as follows if current time is 1:53 PM.



Following day's cycle will be suspended so that watering occurs every other day. SKIP will continue until you enter a new program or delete it. Press **SKIP** again to delete SKIP. REPEAT program will resume. SKIP may only be programmed if REPEAT is selected.

STEP 5: REVIEWING WATERING PROGRAM

Press **START TIME** key. Display will show selected start time. After a few seconds, display will return to current time. Press **STOP TIME** Key. Display will show selected stop time. After a few seconds, display will return to current time. You may review program at any time. SINGLE, REPEAT and SKIP functions will always appear on display when selected.

NOTE: If you wish to change your program or made an error during programming. Press **RESET** and repeat Steps 3 and 4.

CAUTION:

If programming sequence is not followed, program will not be accepted.

Your Melnor Time-A-Matic® Electric Water Timer is now ready for automatic watering using selected program.

Important: After timer is set and connected, close protective top cover fully.

STEP 6: CONNECTING TIMER TO OUTSIDE FAUCET

Tighten coupling nut onto faucet, keeping top cover of timer facing up. **DO NOT OVERTIGHTEN!** After timer is installed, connect garden hose to timer. Turn faucet on. To remove timer from faucet, turn faucet off. Press **ON/OFF** to turn valve off and then loosen coupling nut.

NOTE: FOR IMMEDIATE WATERING WITH PROGRAMMED SHUT-OFF:

Press **RESET** to activate timer. Press **STOP TIME** for desired stop time. Each stop time key that you press represents an increment of fifteen (15) minutes up to (3) hours duration. Then, press **SINGLE/REPEAT** one time and the valve will open immediately, and will close at your programmed stop time.

NOTE: After using the IMMEDIATE WATERING, the timer must be reprogrammed. Follow steps #2, #3, and #4.

NOTE: FOR WATERING AT SPECIFIC TIME

Example: Start at 6:30 AM. Press **RESET**. Press **MINUTES** key until 30 minutes is displayed. Then press **START TIME** key until 6:30 AM is displayed. Press **STOP TIME** key to set stop time. Press **SINGLE/REPEAT** key once for single cycle or twice for repeat cycle. Set time per Step 3.

OPTIONAL WATERING WITH MANUAL SHUT-OFF

This feature allows you to turn water on and off at any time.

ON: Press **ON/OFF** to start watering immediately. Display will show "ON." Valve will open.

OFF: Press **ON/OFF** to stop watering. Display will show "OFF." Valve will close.

AUTOMATIC SHUT-OFF FEATURE:

Unit will shut off automatically after 3 hours of watering if not manually shut off. Programmed watering will resume at next scheduled time (assuming you have set repeat).

BATTERY INFORMATION

USE 2 "AA" ALKALINE BATTERIES. WHEN "LO" APPEARS ON DISPLAY, TIMER WILL NOT OPERATE UNTIL BATTERIES ARE REPLACED.

IMPORTANT NOTES

The following precautions should be taken to ensure the proper function and maintenance of your Melnor® Time-A-Matic® Electronic Water Timer:

- ALWAYS KEEP TOP COVER CLOSED WHEN KEYBOARD IS NOT IN USE.
- DO NOT LEAVE TIMER ON FAUCET OR STORE OUTSIDE DURING FREEZING WEATHER. REMOVE BATTERIES DURING STORAGE. EXPOSURE TO TEMPERATURES BELOW 32°F (0°C) MAY DAMAGE UNIT.
- BE CAREFUL WHEN MOVING HOSE. TOO MUCH PULLING MAY DAMAGE COUPLING NUT.
- DO NOT USE WITH HOT WATER OR SUBMERGE IN WATER.
- DO NOT EXPOSE TIMER TO EXCESSIVELY HIGH TEMPERATURES.

For additional information, please contact:

MELNOR, INC.
P.O. BOX 2840, 3085 SHAWNEE DRIVE
WINCHESTER, VIRGINIA 22601
(TEL. NO. 540 722 9080 (EST))

Please indicate model number you have purchased.

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 **melnor**

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Winchester, Virginia 22601

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