

L.R. Nelson Corporation
Peoria, Illinois 61615 U.S.A.
www.LRNelson.com

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ELECTRONIC WATER TIMER INSTRUCTIONS

Model 5945 SPECIFICATIONS

Water connection - 3/4"

Hose connection - 3/4"

Watering Cycles - 7 plus Mist

Batteries - 2 "AA"

Low Battery Detection - [■ Low Bat] will display on LCD.

Timer will stop running when battery voltage is low. If timer is running, it will automatically shut off.

NOTE: Batteries should last 1 season with average usage. Use of the mist cycle will shorten battery life.



IMPORTANT SAFETY INFORMATION

1. Warning: This timer is intended for outdoor, residential watering applications only. Not intended for indoor or commercial use.
2. Use fabric reinforced hoses only; damaged or cracked hoses should not be used.
3. Remove the timer from the faucet during freezing weather and store inside. Exposure to temperatures below 32° F (0° C) may damage the unit.
4. Timer should not be submerged in water, used in damp pits or buried.
5. Check connections regularly for a tight seal.
6. When using for the first time, observe the progress of the program for one week to ensure that it is operating properly.
7. Before a long absence/vacation, insert new batteries and test your program.

8. When storing, turn to the [OFF] position. Make sure the unit is completely empty of water and in a frost-free environment only. Remove the batteries.

9. Use 2 "AA" alkaline batteries only. Do not use rechargeable batteries.

10. Use timer in the proper orientation only; do not use sideways, upside down, etc.

11. Install new batteries at the start of the watering season.

CAUTION: Detach timer from spigot during freezing weather. Do not use with water exceeding 100° F (38° C) or with pressures exceeding 100 psi. For pressures exceeding 100 psi, consult a local plumber for pressure regulation. Avoid pulling or tugging on the hose as damage to the timer may result.

OPERATING INSTRUCTIONS

I. INSERT BATTERIES

NOTE: Before every battery change, turn off the timer's water supply at your outdoor faucet and then remove the timer from the faucet.

TIP: Clean metal contacts with a clean cloth when replacing batteries.

1. Remove battery cover on the back of the timer.

2. Insert 2 – "AA" batteries as pictured (Diagram inside case).

NOTE: When changing batteries (after the initial set-up), the time and programs entered will stay current if battery change takes less than 15 seconds.

II. PROGRAMMING INSTRUCTIONS

*The right side outlet of the timer is programmable or manually operated. The left side is a convenience (manual) outlet only (non-programmed).

2.

To program your Nelson 5945 timer, rotate the dial clockwise to the appropriate selection:

SET TIME; PROGRAM: SET, REVIEW, SELECT, RUN, ERASE; OFF

A. Turn dial to [SET TIME]

1. To set the current time: Hour on the clock will flash. Use the [+] button to increase hour displayed. Use the [-] button to decrease hour displayed. Press [ENTER] to select the correct current hour.

2. To set the minutes: After you have selected the hour, the minutes will flash. Use [+] and [-] as above to reach the correct minute. Press [ENTER] to select the correct current minute.

3. To set AM/PM, press [+] or [-].

NOTE: Clock is set on standard time. To change to military (24 hour) time, depress both [+] and [-] buttons simultaneously and hold for 5 seconds. If switched to military time, depress both [+] and [-] buttons simultaneously to return to standard time.

TIP: Holding [+] or [-] button down allows you to scroll more quickly through your time selection.

4. To set the current day: Use the [+] and [-] buttons to scroll to the current day of the week. When the correct day is lit, press [ENTER] to select.

B. Turn dial to [PROGRAM SET]

NOTE: For [PROGRAM SET] functions, use the [+] and [-] buttons to advance/go back through the selection options. When you have reached the desired setting, press [ENTER] to select.

1. To enter a program:

a. First scroll through the program #'s by depressing [+]. To start with Program 1, press

3.

[ENTER] when the 1 is lit (same process for programs 2-7 + Mist).

b. Once a program # has been entered, the start time will flash. Toggle through the times, using the [+] and [-] keys until you reach the desired start time. Press [ENTER] to select.

c. After a start time has been selected, the stop time will flash. Select a stop time in the same manner as above. Maximum time allowed = 180 minutes.

d. WATERING DAYS

Select the day(s) you would like to water. Press [ADD] to select each day desired. Press [SKIP] to skip a day. When all watering days you need are selected, press [ENTER]. **You must press [ENTER] to complete your selection.**

e. MIST CYCLE (on the LCD screen following Program #7)

The Mist Cycle is set for 20 seconds ON, 5 minutes OFF. Enter a start time and stop time and the timer will continue on the ON 20 seconds, OFF 5 minutes cycle for as long as you set the timer to run. MIST indicates a shortened (20 second) ON, 5 minute OFF time in a programmed interval.

C. Turn dial to [PROGRAM REVIEW]

This function allows you to view all selected programs. In the PROGRAM REVIEW mode, you are able to view selections but not make changes to the programs. Use the [+] and [-] buttons to view the program # you wish to review.

D. Turn dial to [PROGRAM SELECT]

This function allows you to choose which program(s) you wish to run. You may choose to run some or all of the programs which you have entered by pressing [ADD] when the program # is illuminated on the LCD. To skip a program, use [SKIP]. You must enter the program #'s using PROGRAM SELECT prior to using PROGRAM RUN. The days you have selected will remain lit.

4.

E. Turn dial to [PROGRAM RUN]

Dial must be in this position for programs to run! This function allows you to run the programs. With the water turned on, programs will run at their programmed time(s). **Programs must be entered using PROGRAM SELECT in order to run.**

NOTE: Program will not start if selected after the START TIME has been reached. For example, if you finish manually watering at 6:15AM Mon., then turn your timer to RUN with a program scheduled to start at 6:00AM Mon., it will not run because the 6:00AM start time has passed. Program will run at the next scheduled time.

NOTE: If program start times overlap, timer will start at the first time selected and shut off at the latest time entered.

F. Turn dial to [PROGRAM ERASE]

This function allows you to erase a program that was previously entered.

a. Scroll through the program #'s, using the [+] and [-] keys.

b. Select the program # you wish to erase when it is lit by pressing [ENTER].

c. Now you are free to return to the PROGRAM SET function and reenter a selection.

III. ATTACH TIMER TO FAUCET

1. Firmly attach the coupling nut on your timer to your faucet.

IV. ATTACH HOSE TO TIMER



1. Firmly attach your hose with sprinkler to the timer outlet on the right side. Position your sprinkler where desired in the yard.

5.


V. MANUAL ON / MANUAL OFF – 2 options

This timer has been designed to allow manual operation with both outlets.



MANUAL USE OF TIMED OUTLET (OUTLET ON RIGHT SIDE):

1. To use the outlet which is controlled by the timer (the outlet on the right side) for a non-timed application: Turn on the faucet, depress the [Right ] on the right side of the dial and water will start running immediately. Water will continue to run until you depress the [Right ] again or until a program is scheduled to run. During manual use, water will shut off after 3 hours.

NOTE: During manual use, the time “counts down” on the LCD panel. To adjust manual watering time to under 3 hours, use the [+] and [-] buttons to control manual watering in 15 minute increments.

2. After 3 hours have elapsed, you may depress the [Right ] again for up to 3 hours of additional watering time.

MANUAL USE OF CONVENIENCE OUTLET ON LEFT SIDE:

1. To use the convenience outlet on the left side of the timer, with the water running, depress the large [Left ] button on the left side of your timer. Water will start running automatically out of the left side outlet. Water will continue to run until you depress [Left ] again.

NOTE: The left side outlet is not timed. Once [Left ] is pressed, water will continue to run until [Left ] is pressed again.

6.

TROUBLESHOOTING GUIDE

PROBLEM	PROBABLE CAUSE	REMEDY
No watering operation	Dead or weak batteries	Replace batteries
No watering operation	Dial not positioned to PROGRAM RUN or dial set to OFF	Turn dial to PROGRAM RUN
No watering operation at programmed time	Water not turned on	Turn water on
No watering operation at programmed time	PROGRAM RUN set after start time has already passed	Run the next scheduled program or use MANUAL ON
No watering operation at programmed time	No program selected to run	Use SELECT PROGRAM to choose desired program and set dial to RUN
No manual operation	Dead or weak batteries	Replace batteries
No manual operation	Water not turned on	Turn water on
Watering at wrong time	Clock incorrectly set	Set clock
Faucet connection leaks	Missing or damaged hose washer	Install new washer
Faucet connection leaks	Loose connection	Tighten hose connection

7.

Nelson Warranty

Electronic products are warranted for two (2) years. In the event of such defects, Nelson will repair or replace, at its option, the product or the defective part.

This warranty does not extend to damage to a Nelson product or part resulting from accident, misuse, alteration, neglect, abuse, improper installation or normal wear and tear to the exterior appearance and color. This warranty extends only to the original use of the Nelson product. This warranty does not extend to cover losses suffered to plants, animals, landscaping or increased water usage in the event of a timer defect or malfunction.

If a defect arises in a Nelson product or part within the warranty period, contact your Nelson Retailer, Distributor, or L.R. Nelson Corporation.

Nelson may, at its option, require the product or part to be returned to a Nelson service point or your retailer or distributor. Nelson will determine whether the claimed defect is covered by the warranty.

If coverage is found, the product will be repaired or replaced. Please allow 4-6 weeks for completion of repairs or replacement and return of the product or part. If a product or part is replaced, the replacement is warranted only for the remainder of the original or part warranty period.

This warranty gives you specific legal rights and you may also have other rights that vary from state to state. L.R. Nelson Corporation does not authorize any person to create for it any other obligation or liability in connection with Nelson products.