



**DRAPER**<sup>®</sup>  
**Expert**

# ELECTRONIC SOLENOID WATER TIMER

36754



These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.  
This manual has been compiled by Draper Tools describing the purpose for which the product has been designed/allowing all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.  
All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.  
Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

## 1. TITLE PAGE

### 1.1 INTRODUCTION: USER MANUAL FOR:

### ELECTRONIC SOLENOID WATER TIMER

Stock no. 36754 Part no. WTSOL1

### 1.2 REVISIONS:

Date first published August 2019

As our user manuals are continually updated, users should make sure that they use the very latest version.

Downloads are available from:

<http://www.draperools.com/manuals/pgm>

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### 1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

**WARNING!** Information that draws attention to the risk of injury or death.

**CAUTION!** Information that draws attention to the risk of damage to the product or surroundings.

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## 2. WARRANTY

### 2.1 WARRANTY

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF, England.  
Telephone Sales Desk: (023) 8049 4333 or Product Help Line (023) 8049 4344.

A proof of purchase must be provided with the tool. If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covering labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. The warranty is extended to 24 months for parts only. This warranty does not apply to any consumable parts, any type of battery or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.  
Note: If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

Your Draper warranty is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the warranty period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.  
Draper Tools Limited.

Note: This tool is intended for domestic use only.

## 3. INTRODUCTION

### 3.1 SCOPE

This water timer allows you to easily set a watering program to water every 8 hours to every 5 days. A manual override, a backlit LCD screen and simple controls make this timer the choice of professionals.

**PLEASE NOTE:** You cannot program the current date and time on this water timer. If you require a timer with this capability you may purchase Draper's Electronic Ball Valve Timer (Stock No. 36750)

### 3.2 SPECIFICATION

Stock No. ....36754  
Part No. ....WTSOL1  
Inlet.....1" BSP Female with a  
..... ¾" BSP female adaptor ring with filter.  
Outlet..... ¾" BSP Male with a ½"  
..... hose connector  
Battery .....9V

### 3.3 HANDLING & STORAGE

Do not drop this machine.  
Store out of the reach of children.

## 4. TECHNICAL DESCRIPTION

- The Draper Water Timer is best suited to a cold mains fed system.
- The timer connects to the tap using the 1" connector or ¾" reducer supplied.
- Using a hose connector (not supplied), connect the hose directly to the timers, ½" connector.
- Set the required watering time on the dial before turning the water on.

## 5. IMPORTANT

### 5.1 IMPORTANT INFORMATION

- **Recommended Water Pressure:** 0.5 – 12 bar. In higher pressure areas, use a pressure reducer.
- **Recommended Operating Temperature:** 4° to 60°. It is recommended to remove the timer from the tap during colder months and when temperatures drop below 4°. The timer should not be subjected to freezing temperatures or frost.
- **Recommended Water Source:** Use cold mains water only. If you are using a gravity fed watering system, ensure that you use a tap filter. Do not use any bore or unfiltered water. Do not use any kind of pump to draw water. Do not use if the water supply is unstable. Do not use any liquids other than water.

## 6. INSTALLATION

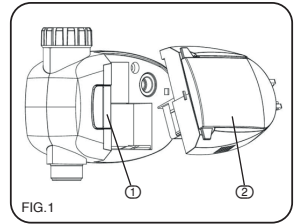


FIG.1

### 6.1 INSTALLING BATTERIES - FIG. 1

- 1x 9V Alkaline battery required.
- To remove/install a new battery please do the following:
  - i The timer is split into 2 sections.
  - ii Use your thumb on your left hand to push the green switch to the left (1).
  - iii Using your right hand, grip the front section of the timer (2) and pull the section towards you.
  - iv The front section will remove and you will see the battery compartment at the rear of the removed section.
  - v Replace the battery as normal and then replace the front section back to its original position. Make sure it clicks firmly back in place.
  - vi The LCD screen should now be on and the backlight will be lit. The clock icon will be flashing.

### 6.2 LOW BATTERY INDICATOR - FIG. 2

- When the screen is blank and you see a flashing battery symbol, it is time to change the battery.
- The timer will shut down automatically and close the valve before the battery becomes completely flat.

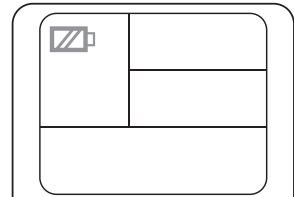
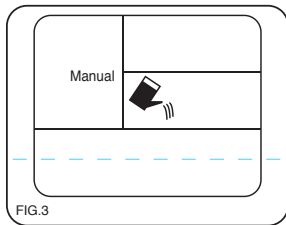


FIG.2

### 6.4 MANUAL MODE - FIG. 3

Use manual mode if you want free flowing water outside of the watering program you have set. The valve will open and water will continue to flow until you switch to another mode or turn the timer off

- Press ON/OFF switch to turn on the screen.
- Press SELECT on the control dial. You will see 3 options on the left (Auto, Manual, Time Delay) Auto will be flashing.
- Press SELECT again and Manual will start flashing.
- Press OK. You will hear a click which is the solenoid valve opening. Water will start to flow.
- To close the valve and turn Manual mode off:
  1. If the screen has automatically switched off, press the ON/OFF button. The screen should turn on.
  2. Press the ON/OFF button again. The valve will close and stop the water flow.

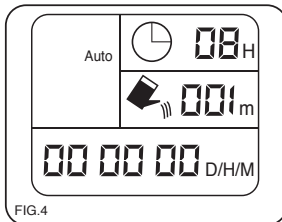


## 7. SETTING UP YOUR WATERING PROGRAM

PLEASE NOTE: You cannot program the current date and time on this water timer. If you require a timer with this capability you may purchase Draper's Electronic Ball Valve Timer (Stock No. 36750)

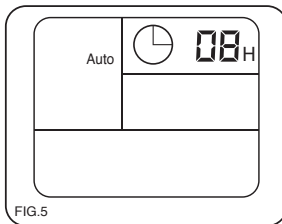
### 7.1 TURN ON TIMER - FIG. 4

- Press ON/OFF.
- The screen will turn on and the display should look like Fig. 4. A clock symbol will be flashing
- Go to STEP 2



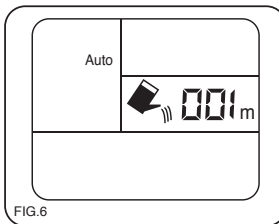
### 7.2. SET WATERING FREQUENCY - FIG. 5

- Press SELECT.
- You will see AUTO flashing on the left of the screen.
- Press OK. The number in the top right of the screen will begin flashing.
- Press FREQUENCY to change the frequency to one of the following settings:
  - Once every: 8hrs / 12hrs / 1 day / 2 days / 3 days / 5 days / 7 days
- Press OK to select.
- You will now see a watering can icon and minutes flashing on the right of the screen.
- Go to STEP 3



### 7.3. SET LENGTH OF WATERING SESSION - FIG. 6

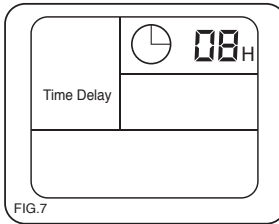
- Press MINUTES to select from the following programmed time lengths for watering sessions:
  - 1 / 2 / 3 / 4 / 5 / 6 / 8 / 10 / 15 / 30 / 45 / 60 / 90 / 120 minutes
- Press OK to select.
- Your watering program is now complete. The clock symbol should now be flashing.



## 8. SET TIME DELAY

If it rains you can use this function to delay your set watering program. Watering will begin immediately after the delay interval you set. The length of the watering session will be the same as the session you have set in your watering program. Your watering program will then resume as normal

- Press ON/OFF to turn on the screen.
- Press SELECT and then press SELECT again until TIME DELAY begins to flash (fig.7).
- Press OK
- Press FREQUENCY to select the length of the time delay.
- Press OK.
- The time delay is now set and watering will begin immediately after the delay interval. Your pre-set watering program will then continue as normal.



## 9. TIMER CARE & MAINTENANCE

- It is recommended that new batteries are installed if you are going away for a long period of time.
- Make sure you only use new alkaline batteries.
- To prevent corrosion, always remove the battery when the timer is not in use for long periods of time or when the battery is low.
- Keep clear of any dirt or debris which may block the valve and cause the timer to malfunction.
- Disassembling the timer improperly will void all warranties.

## 10. DISPOSAL

### 10.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.
- In all circumstances:
  - Do not dispose of power tools with domestic waste.
  - Do not incinerate.
  - Do not abandon in the environment.
  - Do not dispose of WEEE\* as unsorted municipal waste.
- \* Waste Electrical & Electronic Equipment.

