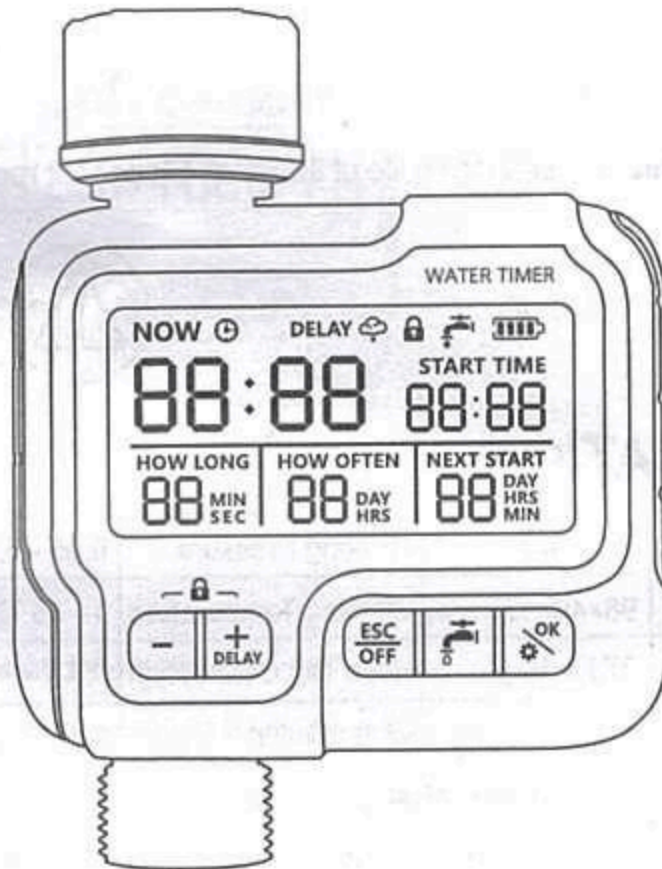# WATER TIMER
User Manual

Model: HCT-322

Ideal for:

watering lawns, gardens, shrubs, allotments, patios, pots, holiday watering, etc.

IMPORTANT NOTE

Please read the user manual carefully before use and keep for future reference.

• The timer is for outdoor use only, horizontal or inverted installation is prohibited.

• Only use 1.5 V 'AA' Alkaline batteries. While placing the batteries, please make sure that the battery compartment is dry. Water on the batteries may cause the timer to work improperly.

• When expecting freezing temperatures, the timer should be removed from the hose faucet and store indoors to avoid potential freeze damage.

• Filter traps dirt particles, prolonging life of the timer. Clean filter regularly and replace if worn.

SPECIFICATION

Model	HCT-322	Working Pressure	0.05 - 0.8 Mpa
Item Size	98×49×126 mm	Working Temperature	1 - 45 ℃
Net Weight	270 ± 10 g	Hose Tap Connection	3/4 ″ Internal Thread
Ingress Protection	IPX5	Water Outlet	3/4 ″ External Thread
Power Supply	2 × 1.5 V 'AA' Alkaline Batteries		
HOW LONG	Watering Duration from 1 - 59 seconds or 1 - 99 minutes		
HOW OFTEN	Watering Frequency from 1 - 23 hours or 1 - 15 days		

COMPONENTS

Hose Tap Connection
Filter Built-in

LCD Display

Battery Compartment

Buttons

Water Outlet

Buttons

− Button: numbers decrease

+ / DEALY Button: numbers increase / delay watering program

ESC / OFF Button: return to the main screen / close pre-set timing program

🚰 Button: start or stop manual watering

⚙ / OK Button: enter into time and timing program setup / confirm setup

INSTALLATION

INSTAL THE BATTERIES
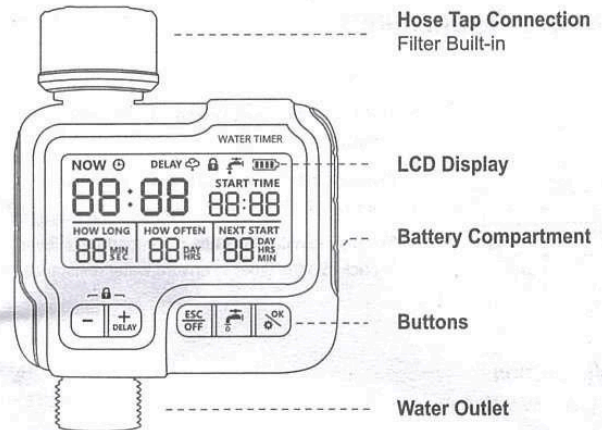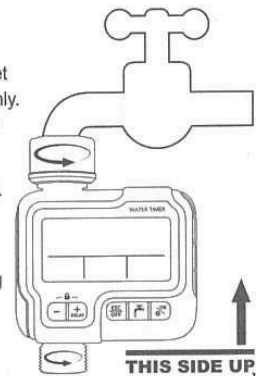

1) Remove the battery compartment cover on the backside of the timer.

2) Follow the +/- marks to place 2 new1.5V 'AA' alkaline batteries (not included).

3) Firmly reinstall the battery compartment cover back into the timer to ensure water resistance.

⚠ CAUTION:

• Only 1.5V 'AA' alkaline batteries can be used.

• Replace batteries when the low battery indicator ⬛ appears on the screen.

• While replacing, please make sure that the battery compartment is dry. Water on the batteries may cause the timer to work improperly.

• When not using the timer for a long time, remove the batteries to prevent them from leaking and damaging the timer.

• Used or dead batteries must be disposed properly according to local laws and regulations.

INSTALLATION

INSTAL THE TIMER

1) Attach the timer to an outdoor hose faucet and the water outlet to the water pipe firmly. While rotating, please follow the direction of the thread.

2) The stainless steel filter has been built in. Use O-ring / adapter / quick connector / PTFE tape if necessary.
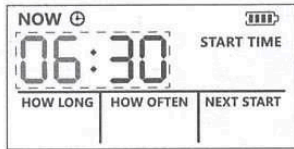
3) Please turn on the tap after programming the timer.

⚠ CAUTION:

• The timer is for outdoor use only.

• Horizontal or inverted installation is prohibited.

• Do not use tools on the timer. Hand tightens only.

• Filter traps dirt particles, prolonging life of the timer. Clean filter regularly and replace if worn.

• The timer itself does not generate pressure, but the pressure of tap water is used. Tap water or a pressurized water source ensures a normal effluent from the timer.

• When expecting freezing temperatures, the timer should be removed from the hose faucet and store indoors to avoid potential freeze damage.
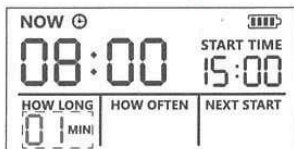
PRODUCT SETUP

STEP 1: NOW ⊕

NOW ⊕   (IIII⊃)
06:30 START TIME
HOW LONG | HOW OFTEN | NEXT START

1) Press the " ✿ / OK " button to enter to set **NOW** ⊕ the current time.

2) Using the " + " and " - " buttons to get the desired number.
   Press the " ✿ / OK " button to save the changes for Hours.
   And the timer automatically enter to the setting interface for Minutes.

3) Using the " + " and " - " buttons to get the desired number for Minutes.
   Press the " ✿ / OK " button to save the changes.
   And the timer automatically enter to the next step for **START TIME**.

📢 **TIPS FOR STEP 1 - STEP 4:**

• Please press the " ✿ / OK " button to save every change or if the existing number does not need to be adjusted.

• If the button operation is not performed with 30 seconds, the timer will automatically turn back to the main screen.

• Press the "**ESC / OFF**" button during setup, the timer will automatically turn back to the main screen too.

- 5 -

PRODUCT SETUP

STEP 2: START TIME

NOW ⊕   (IIII⊃)
08:00 START TIME **06:35**
HOW LONG | HOW OFTEN | NEXT START

1) Using the " + " and " - " buttons to get the desired number.
   Press the " ✿ / OK " button to save the changes for Hours.
   And the timer automatically enter to the setting interface for Minutes.

2) Using the " + " and " - " buttons to get the desired number for Minutes.
   Press the " ✿ / OK " button to save the changes and the timer automatically enter to the next step for **HOW LONG**.

📢 **TIPS:**

• When you enter to the setting interface unintentionally, but do not want to change the timing program plan, then you can follow a or b:

   a. Keep pressing the " ✿ / OK " button until return to the main screen (do not press the " + " or " - " button).
   b. Press the "**ESC / OFF**" button and return to the main screen.

• You can check whether the timing program plan has been reset or not by viewing the changes of **NEXT START**.

- 6 -

STEP 3: HOW LONG

NOW ⊕   (IIII⊃)
08:00 START TIME **15:00**
HOW LONG | HOW OFTEN | NEXT START
01 MIN

1) Using the " + " and " - " buttons to get the desired watering duration from 1 - 59 second or 1 - 99 minutes .

2) Press the " ✿ / OK " button to save the changes.
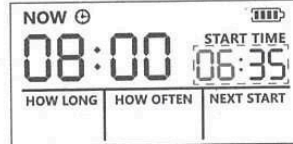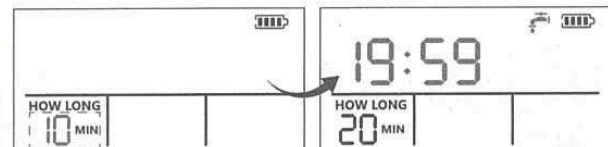   And the timer automatically enter to the next step for **HOW OFTEN**.

STEP 4: HOW OFTEN

NOW ⊕   (IIII⊃)
08:00 START TIME **15:00**
HOW LONG | HOW OFTEN | NEXT START
30 MIN | **06** HRS

1) Using the " + " and " -" buttons to get the desired watering frequency from 1 - 23 hours or 1 - 15 days .

2) Press the " ✿ / OK " button to save the changes.
   And the timer will automatically return to the main screen.

- 7 -

ADDITIONAL FEATURES

MANUAL WATERING

HOW LONG **10** MIN   (IIII⊃)   **19:59** (IIII⊃)
                                           HOW LONG **20** MIN

This feature allows you to water without interrupting your set timing program plan.

1) Way to access the MANUAL WATERING function:

• Press the " 🚿 " button to enter into the setting screen.

• Using the " + " and " - " buttons to get the desired watering duration from 1 - 59 second or 1 - 99 minutes.

• Press the " ✿ / OK " button to save the changes.
   And the timer automatically start to water and the countdown is shown on the screen and the icon 🚿 blinks.

2) Midway to stop the MANUAL WATERING function:

• Press the " 🚿 " button again.

📢 **TIPS:**

• When the set watering duration (HOW LONG) is over, the timer will automatically stop watering.

- 8 -

ADDITIONAL FEATURES

DELAY WATERING

```
NOW ⊕        DELAY ☁        ▥
┌─────────────────────────────┐
│  08:00        START TIME     │
│               15:00          │
├──────────┬──────────┬────────┤
│ HOW LONG │ HOW OFTEN│NEXT START│
│  30 MIN  │  12 HRS  │ 19 HRS │
└──────────┴──────────┴────────┘
```

DELAY allows to postpone watering for a set frequency without interrupting the timing program plan.

1) Way to access the DELAY function:
• Hold the " + / DELAY " button for 3 seconds.
• The icon DELAY ☁ will display on the screen and the **NEXT START** gets updated.

2) Midway to remove the DELAY function:
• Hold the " + / DELAY " button for 3 seconds again.

🔊 TIPS:
• DELAY function will postpone a set frequency (HOW OFTEN) then auto-resume your original timing program plan.

- 9 -

ADDITIONAL FEATURES

CHILD LOCK

```
NOW ⊕              🔒      ▥
┌─────────────────────────────┐
│  08:00        START TIME     │
│               15:00          │
├──────────┬──────────┬────────┤
│ HOW LONG │ HOW OFTEN│NEXT START│
│  30 MIN  │  12 HRS  │ 07 HRS │
└──────────┴──────────┴────────┘
```

This feature helps to avoid mistaken operation and make the timer safe from children activities.

1) Way to access the CHILD LOCK function:
• Hold the " - " and " + / DEALY " buttons together for 3 seconds.
• The icon 🔒 blinks on the screen shows the function is activated.

2) Way to remove the CHILD LOCK function:
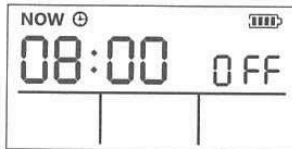• Hold the " - " and " + / DEALY " buttons together for another 3 seconds.

🔊 TIPS:
• During the CHILD LOCK function, no matter which button you press, it doesn't work on the timer.

- 10 -

ADDITIONAL FEATURES

OFF MODE

```
NOW ⊕                       ▥
┌─────────────────────────────┐
│  08:00          OFF          │
│                              │
├──────────┬──────────┬────────┤
│          │          │        │
└──────────┴──────────┴────────┘
```

If you want to stop the timing program plan for an extended period, please activate the OFF mode.

1) Way to access the OFF mode:
• Hold the "**ESC / OFF** " button for 3 seconds.
• The current time, battery indicator and 0 FF will display on the screen.

2) Way to remove the OFF mode:
• Hold the "**ESC / OFF** " button for another 3 seconds.

🔊 TIPS:
• During the OFF mode, the timer will not water automatically. The set data for timing program plan is saved and will be resumed after the OFF mode removed.

- 11 -

PRECAUTIONS

• The timer is for outdoor use only, horizontal or inverted installation is prohibited.
• Using tools to install the timer will be too tight, easy to damage. The power o tighten with hands is enough.
• Filter is built in the hose tap connection which traps dirt particles, prolongin life of the timer. Clean filter regularly and replace if worn.
• In order to aviod leaking, use O-ring / adapter / quick connector / PTFE tape if necessary.
• Replace batteries in time when the low battery indicator ▭ appears on the screen. When not using the timer for a long time, remove the batteries to prevent them from leaking and damaging the timer.
• The working water pressure for the timer is 0.05 - 0.8 Mpa. The timer itself does not generate pressure, but the pressure of tap water is used. Tap wate or a pressurized water source ensures a normal effluent from the timer.
• Do not use water more than 45 ℃ or less than 1℃.
• Store the timer away from humidity and in a dusty-free and enclosed place.
• Alcohol, thinner, etc. have corrosive effects on the outer casing of the timer, especially on the LCD display. Gently wipe the timer with a small amount of water while cleaning.
• Do not disassemble the timer or attempt to change the internal structure.

- 12 -

TROUBLESHOOTING

The LCD does not display anything when the batteries are installed.
Check If:
• The two batteries loaded are not new 1.5V AA alkaline batteries.
• The batteries are not properly placed as per the mark of +/-.
• If the button operation is not performed within 30 seconds, the LCD screen will go to sleep. Press any button to light it up.

Water does not come out at the pre-set time.
Check If:
• The current time is set incorrectly.
• Start time for watering is not set accurately.
• You have made changes to the current time and timing program.
  If yes, the timer will execute the watering plan according to the latest settings.
• You are setting a timing program plan at this moment.
• Delay function is on. Clear if necessary.
• The timer is in the OFF Mode.
• The battery power is exhausted. Please replace with new batteries.
• The filter is jamed up with dirts. Clear or replace if necessary.
• The faucet is turned off.

The hose tap connection / outlet leaks.
Check If:
• The filter is not well pressed to the end of the tap connection.
• The hose tap connection / outlet / water pipe is broken.
• The faucet / water pipe has different thread consistent with that of the timer.
  Use an appropriate adapter, O-ring, quick connector or PTFE tape if needed.

WARRANTY

The warranty aims for the problems of non-artificial damage, excluding wearing parts / accompanied accessories and provides a 1-year warranty from the date of purchase.