

# 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.

• **The Company reserves the right to change the definition and upgrade the product without prior notice.**

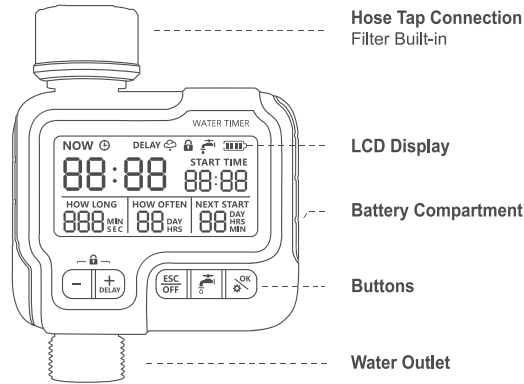


### SPECIFICATION

Model	HCT-322	Working Pressure	0.05 - 0.8 Mpa
Item Size	98×49×126 mm	Working Temperature	3 - 45 °C
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 - 299 minutes		
HOW OFTEN	Watering Frequency from 1 - 23 hours or 1 - 15 days		

- 1 -

### COMPONENTS



#### Buttons

**-** Button: numbers decrease

**+/DEALY** Button: numbers increase / delay watering program

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

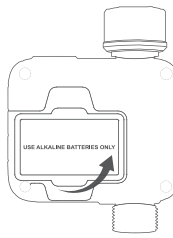
Button: start or stop manual watering

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

- 2 -

### INSTALLATION

#### INSTAL THE BATTERIES



- 1) Remove the battery compartment cover on the backside of the timer.
- 2) Follow the +/- marks to place 2 new 1.5V 'AA' alkaline batteries (not included).
- 3) Firmly reinstall the battery compartment cover back into the timer to ensure water resistance.

#### CAUTION:

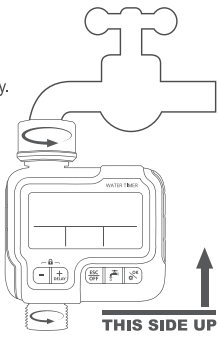
- Only 1.5V 'AA' alkaline batteries can be used.
- Replace batteries when the low battery indicator appears on the screen.
- While replacing, please make sure that the battery compartment is dry. Water on the batteries may cause the timer to work improperly.
- When not using the timer for a long time, 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.

- 3 -

### 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.

- 4 -

### PRODUCT SETUP

#### STEP 1: NOW



- 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



- 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



- 1) Using the "+" and "-" buttons to get the desired watering duration from 1 - 59 second or 1 - 299 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

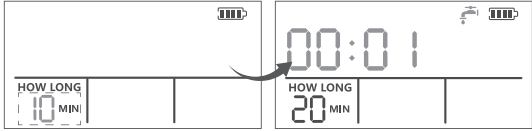


- 1) Using the "+" and "-" buttons to get the desired watering frequency from 1 - 23 hours or 1 - 15 days .
- 2) Press the **\*/OK** button to save the changes. And the timer will automatically return to the main screen.

- 7 -

### ADDITIONAL FEATURES

#### MANUAL WATERING



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 - 299 minutes.
  - Press the **\*/OK** button to save the changes. And the timer automatically start to water and the run time is shown on the screen and the icon blinks.

- 2) Midway to stop the MANUAL WATERING function:

- Press the button again.

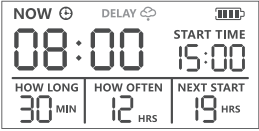
#### TIPS:

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

- 8 -

### ADDITIONAL FEATURES

#### DELAY WATERING



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 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



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 shows on the screen means 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



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 **OFF** 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 of tighten with hands is enough.
- Filter is built in the hose tap connection which traps dirt particles, prolonging life of the timer. Clean filter regularly and replace if worn.
- In order to avoid 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 water or a pressurized water source ensures a normal effluent from the timer.
- Do not use water more than 45 °C or less than 3 °C .
- 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 jammed up with dirt. 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.

- 13 -

### 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.

Manufacturer:  
Ningbo Hanci Electrical Co., Ltd.  
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Ningbo City, China. 315600

MADE IN CHINA



- 14 -