

CO3007 ♥N10372 (€ INSTRUCTION MANUAL

Battery Installation & Wireless Connection

Connecting the Sensor to the Digital Tap Timer

Install 2 x AAA Alkaline batteries in the sensor probe.
Unlatch the flexible rubber cover from the back of the sensor, pulling it over the top to the other side of the unit, opening the battery compartment. Place the 2 x AAA Alkaline batteries the indicated way round and close the flexible battery cover, ensuring the closure is sealed correctly around the edges, making it waterproof. In doing this, you will see a blue intermittant light appear on the front of the sensor.

- Immediately install a 9V Alkaline block battery in the Tap Timer. You will see a flashing nappear on the tap timer
- 3. The Tap Timer and Sensor will now be searching for each other, and will successfully connect if they are within range (within 30 Metres).
- In normal operation the timer and sensor will commodified the commodified operation with each other approximately every 4 minutes.
- 5. If you want the timer to search for the sensor after the batteries have been installed in both units, press the \(\ddagger*\) & buttons together (at the same time). You will see the Italson activate on screen and the timer will count in second until a connection is made, at which point the screen will display the time of day, day and battery reading.

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Tap Timer Installation

Make sure the filter (washer) is in place, then screw

the tap timer to the faucet/tap by screwing the tap connector to the tap or hose end.

Connect the tap timer outlet male thread to your system.

Please also see the 'Important Tips for Installation' on pages 15 - 17, explaining how to safely connect & release your Tap Timer during installation, and for future use of the product.

Technical Data The Digital Tap Timer & Wireless Moisture Sensor talk to each other via 433mHz wireless transmission. The Maximum recommended range between the timer & the sensor is 30 metres, however this range can vary due to areas of interference, therefore please check that a connection is made and maintained. The Tap Timer is powered by a 9Volt Alkaline Block battery and the sensor by 2 x AAA Alkaline batteries. After battery installation for the sensor, please ensure the flexible cover is properly seated in position, so no moisture enters the battery housing that could damage electrical circuits.

Irrigation Programming

Technical Data

Introduction / Technical Data

This section contains an example of weekly irrigation programming. Simply alter data in the example to adapt the program to meet your irrigation

Digital Tap Timer is programmed with the aid Programming step - used to select the appropriate programming mode (e.g. clock setting mode).

Parameter selection - used to select the parameter to be changed (e.g. hour, minute, etc) To implement the change, the selected parameter must be blinking.

Data increment (increase) - raises the value of the selected parameter (e.g. adds an hour).

Data decrement (decrease) - lowers the value of the selected parameter (e.g. deducts an hour).

CO3007 Digital Tap Timer With Wireless Moisture Sensor

The HOLMAN Digital Tap Timer With Wireless Moisture Sensor (CO3007) is designed to allow precise watering to garden beds, pots & tubs, vertical gardens and the like. The wireless moisture sensor allows precise watering to be applied particularly where over watering is a problem. The sensor tells the timer not to water if the soil moisture content is higher than the programmed set point. The timer can be programmed with up to 8 Start times per day with a watering time as small as 1 minute. The timer also allows a set moisture content to be programmed on a scale of 5 (dry) to 99 (very wet). You can fine tune the set point to ensure the soil moisture is perfect for the type of plant and location, preventing over or under watering. The HOLMAN Digital Tap Timer With Wireless Moisture

Glossary

Inlet 20mm (¾" BSP) female thread with filter 25mm (1" BSP) dapter included Easy to ReadLCD Screen

Setting - Time & Day

If no changes are implemented, the tap timer display will always revert to the main screen (clock). Display digits will stop blinking after 40 seconds.

If the last parameter stops blinking before you have

completed your programming, press - to continue

At any stage you can return to the main screen by pressing the 'STOP' button.

Setting The Current Time & Day Of The Week

Setting The Clock - To enable the tap timer to operate the irrigation system at the required times, the current time and day of the week must be set as

The default time is AM 12:00 Monday.

1. Press . The hour digits blink. Set the current hour with the aid of .

Setting - Time & Day



2. Press - The minute digits blink. Set the current minutes with the aid of + and -

Setting The Day Of The Week

1. Press whitl a blinking square appears at the top of the display.

2. Set the square on the current day of the week by pressing or who remains the contract of the week by pressing who remains the current day of the week by pressing the current day of the week by the curre

Setting - Watering Duration

Programming Example: Let's assume that we want to program the irrigation controller to water three times a day, at 8:00a.m., 1:00p.m. & 7:00p.m., for 10 minutes each time, on Tuesday and Friday.

Programming Watering Duration

1. Press O until appears opposite "Duration". The hour digits blink (0).

The hour digits blink (0).

2. Press on

or

to change the watering duration as required.

3. Press . The minute digits will blink. Press on for until the minute digits reach 10.



Setting - Watering Days

Programming Watering Days

1. Press and will appear opposite the word "Days".

2. Press and the under Monday will blink, and "1" will be shown in the display.

3. Press 🛖 to leave Monday active or 🕳 to

Move through the 7 days and use
 or
 to leave days active or delete.

5. When using the moisture sensor you can set watering to all days of the week. If the soil is wel watering will be cancelled by the sensor.



Setting - Start Times

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Programming Watering Start Time

1. Press 🔰 until "Start 1, AM 12:00" appears

on the display.

2. The hour will be flashing, adjust with

or

3. Move across with

to adjust the minutes.

4. Press

to move to "Start 2" and proceed

to adjust if required. 5. Similarly you can set starts 3 - 8.

Nou can set multiple start times, and any start, when the soil is wetter than the set point, will be cancelled.

M Tu W Th F Sa Su AM . Day rts 🕒

0

Manual Operation

Wireless Moisture Sensor Setup

Operating The Tap Timer Manually

The tap timer will close automatically at the end of the irrigation period.

Note: The programmed irrigation schedule will continue to function at the set times & days.

The manually activated watering will not change the set programme.

Operation: Press "ON" and " will appear in the display

Adjust runtime with - or - Press **OFF** to stop watering.



Remember that the soil moisture sensor works together with the timer. If the soil moisture is higher than the set point for watering the way will be displayed and no watering will occur. The soil moisture is displayed through a number system, from 1 to 99. The soil moisture reading & set point can be looked at in the 'Runtime' or () setup.

at in the 'Runtime' or () setup.

To start the setup process, push once, and the 'Runtime' is displayed, Push

To the view of the 'Runtime' is displayed. Push

To the view of the 'Runtime' is displayed. Note: The default reading on screen from the probe, prior to installation, shows as '05'. Push

Push

Push

Push

Push

To day and an Acrosen showing a flashing' 60' and the word 'Probe' will show the probe setting. Note: The default number is '60' and is HOLMAN's recommendation as a good starting point. To change the reading push

To set the sensor higher will result in page.

Remember: To set the sensor higher will result in your garden being watered more often & the soil being kept wetter.

Helpful Hints:

1. You should watch the moisture content of your soil & adjust your probe setting to suit your plant, soil & exposure level.

2. Always position the soil moisture probe (sensor) within the wireless distance of the timer. (30 Metres)

3. Remember the probe will control the watering for all of the area that is connected to the timer. Position the probe 12 in a 'typical' location within the watered area.

Important Tip For Installation

Suspending Operation

How To Suspend The Tap Timer Operation

This option is used to temporarily suspend the Digital Tap Timer operation, for example, while its raining. The irrigation operation schedule remains in the tap timer memory but is not implemented until the suspension is cancelled.

Suspension: Press "OFF" for 3 seconds until the symbol appears.

Cancel Suspension: Press "OFF" for 3 consecutive seconds to return irrigation system control to the irrigation controller. The symbol will disappear.

During suspension, the "Manual ON" button will function.

How To Stop Watering

Stop Watering: Press "OFF" to stop manual or automatic watering.

Remember: The symbol shows if the soil is wetter than the set point.

Important Tip For Installation

Low Battery Warning

Blinking battery () shows the tap timer battery is low.

battery is low.

Blinking wireless (\hat{\Phi}) shows the sensor batteries are low.

The batteries should be replaced promptly. Programming data will be retained for 30 seconds while changing the battery.

To see how to re-initialise the wireless connection, please see Page 3, point 5.

Maintenance.

Maintenance

Remove batteries if the tap timer will not be used for a prolonged period of time.

The tap timer contains an internal filter, which has to be removed and cleaned every few months.

Sensor Batteries

The sensor batteries will last at least 12 months providing 2 x ALKALINE AAA batteries are used. We recommend checking the sensor batteries every six months. This can be acheived by pushing the \$\frac{1}{4} & \top keys together and watching for the wireless contact to be made between the sensor-addicital tan timer.

14 and digital tap timer.

Important Tip For Installation

Tap Timer - Quick Connect Circlip

The timer features a quick connect & release mechanism.

This mechanism has been designed to help by firstly allowing you to disconnect the unit from the inlet adapt without the need to unscrew the adaptor from the tap. Secondly the connect & release mechnism is designed to properly secure the unit to the inlet adaptor, and whinstalled correctly will prevent it from falling away from the tap under water pressure.

On removing the Tap Timer from the packaging it is ended that you test to make sure that th connect & release mechanism is firmly attached.
You can do this by pulling on the inlet adaptor. If it is not securely fastened and pulls away from the unit, please follow these instructions:



Pull the Circlip from the Inlet Apaptor, so they are seperated as shown above in image 2.

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Next take the Inlet adaptor and push it down over the Tap Timer inlet neck 3. (pushing it over the O'ring tightly) so the indented marks match up as shown in image 4. below.



position on the Inlet adaptor, ensuring that it clips firmly into place. It is very important this clip is properly installed. 5. It must "CLICK" into position. Lastly, test once again that this quick connect & release mechanism is firmly attached by pulling on the inlet adaptor.



To remove the timer simply remove the clip and the timer releases from the tap nut. To replace please follow the instructions above.

Failure to install the Tap Timer on the tap using the correct method as described above could cause it to fall from the tap, damaging the product casing or internal electronics.



Warranty



Warranty: We will honour all statutory guarantees that this product is of acceptable quality. (including that it is fit for purpose)

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