K RAIN®

K DIAL™

4 Outlet Bluetooth® Tap Timer

CO3014

SCAN HERE FOR THE LATEST MANUAL

User Manual

2 YEAR WARRANTY

WWW.K-RAIN.COM.AU

K-Rain® Australia: Supplied and Serviced by Holman Industries
11 Walters Dr, Osborne Park WA 6017
info@k-rain.com.au
www.k-rain.com.au

Model no: CO3014

RoHS

Please read these instructions in full before proceeding with setup.

iOS is a trademark of Apple Inc. Android is a trademark of Google LLC. The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Holman Industries is under license. Other trademarks and trade names are those of their respective owners. All other content is Copyright © Holman Industries 2024

Contents

Overview 4
- Package Contents and Components 4
- K Dial Tap Timer Features 5
- K Dial Tap Timer LED Status 6

Installation 7
- Mounting the K Dial Tap Timer to your wall 7

Setup 8
- Connecting to iGardener® 8
- Renaming your K Dial Tap Timer in iGardener® 10

Basic Functions 11
- Zone Management 11
- Manual Operation 12
- Syncing Watering 13

Scheduling 15
- 7 Days Watering 15
- Interval Days Watering 16
- Odd (calendar) Days Watering 17
- Even (calendar) Days Watering 17
- Cycle Watering 18
- Conflicting Watering Schedules 20
- Saving Schedules 21
- Turning Off All Schedules 21

Support 22
- Unpairing your K Dial Tap Timer from iGardener® 22
- K Dial Tap Timer Connection Issues 22
- Resetting your K Dial Tap Timer 23

Maintenance 24
- Cold Weather 24
- Batteries 24

Warranty 25

Overview

Package Contents and Components

1. **ZONE 1** outlet
2. **ZONE 2** outlet
3. **ZONE 3** outlet
4. **ZONE 4** outlet
5. 1× 20/25mm BSP reducing bush
6. 1× 25mm BSP tap nut inlet
7. 4× 12mm snap-on hose fittings on 20mm BSP outlets
8. **MAIN DIAL**
9. **START/STOP** button
10. Battery compartment (underneath): requires 4× AA alkaline batteries only

⚠ **Do not mix old and new batteries**

11. Mounting bracket
12. Metal arm
13. 3× ¾" stoppers; to be used on zones that are not in use to prevent any accidental leakage

Overview

K Dial Tap Timer Features

1. ***Automatic watering:*** Easily done through the ***iGardener®*** app
2. ***Manual watering:*** If dial is on a **ZONE** and user presses **START/STOP**, watering will commence for the selected **ZONE**

ℹ Default manual run time is 1 minute however this can be changed in the ***iGardener®*** app

3. ***Watering all ZONES***: Water **ZONES 1-4** sequentially by selecting **ON** position on the **MAIN DIAL** and pressing **START/STOP** button

ℹ If **Start 1** has not been setup and enabled for a **ZONE**, no watering will occur for that particular **ZONE**

ℹ If cycle watering has been chosen for a **ZONE** then it will not water

ℹ 20m range from ***K Dial Tap Timer*** to smartphone (connects to one device only)

- ✓ IP54 dust and water protection rating
- ✓ Zones: 4
- ✓ No. of starts per program: 3
- ✓ Watering schedules: 7-day, interval, odd, even, cycle
- ✓ Permanent memory: no
- ✓ Power source: 4× 1.5v AA alkaline batteries
- ✓ Housing: outdoor
- ✓ Electrician required: no
- ✓ 50-800kPa working pressure
- ✓ 3°C-50°C ambient working temperature
- ⚠ **For use with cold water only**
- ✓ Maximum flow rate 25 L/min
- ✓ **5 second watering delay**: to ensure optimum valve functionality, there is a delay between a **ZONE** stopping and another commencing watering

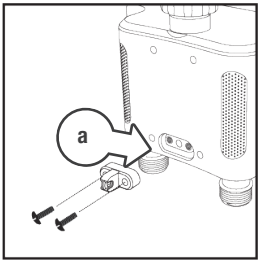
K Dial Tap Timer LED Status

LED PATTERN	MEANING
Red/Blue alternate flash	Start up pattern (recognition of batteries/power)
Blue flash 3 times	Start up complete
Quickly flashing blue (10 times)	Updated over Bluetooth
Single blue flash	Response to pressing button – manual on or off
Blue flash 0.5 seconds on, 20 seconds off	Watering
Red light on start up Red flash 0.5 seconds on, 15 seconds off	Low battery warning – timer is not able to operate normally in this mode. Replace batteries.
Red Flash (3 times)	Watering terminated – **START/STOP** button pressed or dial moved while watering **START** button pressed when dial is in **OFF** position **START** button pressed when timer is in low battery mode

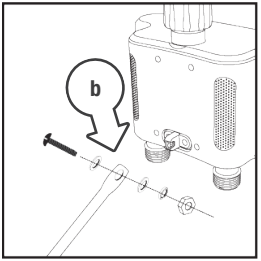
Installation

Mounting the K Dial Tap Timer to your wall

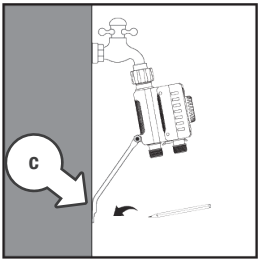
1. Screw the mounting bracket on the back [a] of the ***K Dial Tap Timer***



2. Use the included fixings to install the metal arm onto the mounting bracket through the hole [b]

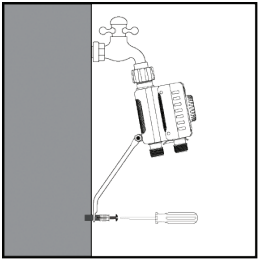


3. Install the ***K Dial Tap Timer*** on the tap and mark [c] a proper position before installing the metal arm



4. Drill a hole for screwing

5. Attach the metal arm with the screw



Setup

Connecting to iGardener®

1. Download ***iGardener®*** to your mobile device via the ***App Store*** or ***Google Play***

Visit our website for more www.k-rain.com.au/iGardener/

2. Install 4× 1.5v AA alkaline batteries into the battery compartment [a] of the ***K Dial Tap Timer***, with the contacts pointing towards the front of the tap timer

3. Ensure ***Bluetooth®*** is active on your smartphone

Your ***K Dial Tap Timer*** may not be visible as a device in your ***Bluetooth®*** list–this is normal

4. Open ***iGardener®*** on your mobile device and select **BX WATERING** [b] from the main menu

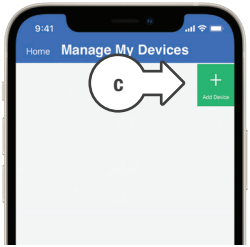
On ***Android*** devices, you may be prompted to allow location access–this is required for ***iGardener®*** to access ***Bluetooth®*** functions

Setup

Connecting to iGardener® (continued)

5. Tap **ADD DEVICE** [c] to add your ***K Dial Tap Timer*** to ***iGardener®***

For security purposes, your ***K Dial Tap Timer*** can only connect to one smartphone at a time



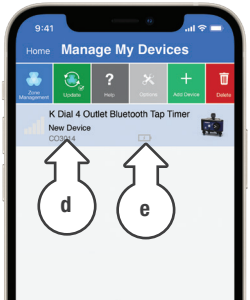
6. When your ***K Dial Tap Timer*** is found it will appear in your ***iGardener®*** device list [d]

Always ensure the latest version of ***iGardener®*** is running to ensure full functionality

7. Battery status [e] is updated every minute when within 20m ***Bluetooth®*** range–after battery replacement, this can take up to a minute to refresh

When the battery is low, the app is unable to notify you as the tap timer uses ***Bluetooth®*** requiring both the tap timer and phone to be in communication range. You will need to enter the UI (User Interface) to see the current battery status.

If you intend to go away we recommend you install new batteries to minimise the possibility of the tap timer failing to water.



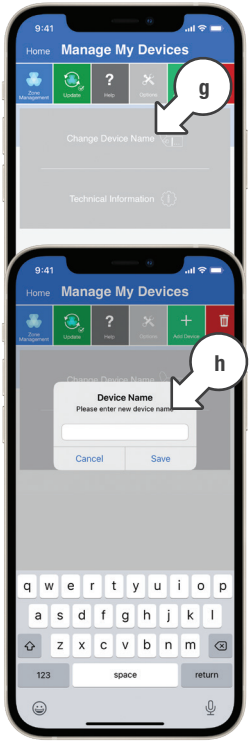
Setup

Renaming your K Dial Tap Timer in iGardener®

If you have multiple ***iGardener®*** watering devices added it may be useful to rename your ***K Dial Tap Timer*** to distinguish it from the others

1. Ensure your ***K Dial Tap Timer*** is selected in the device menu and tap **OPTIONS** [f]

2. Tap **CHANGE DEVICE NAME** [g] from the pop up menu
3. Enter your new name and confirm as required [h]



Basic Functions

Zone Management

a. ***Support:*** Access support by tapping ❓

b. ***Zone options:*** Current watering zone selected shown in blue

c. ***Scheduling options:*** Currently selected shown in blue

d. ***Day selection:*** Use switches to toggle each day **ON** or **OFF**

e. ***Time selection:*** Schedule up to 3× **START TIMES** with individual **RUN TIMES**

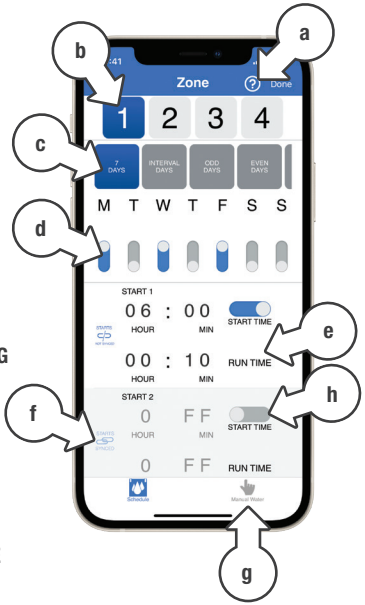
f. ***Starts synced:*** Shown when **SYNCING WATERING** start times have been synced across all zones

g. ***Manual operation***

ℹ This will not override schedules

ℹ If set to **CYCLE**, **RUN TIME** will be the cycle duration

h. To disable watering, toggle the **START TIME** switch to **OFF**, and manually turn back **ON** as required

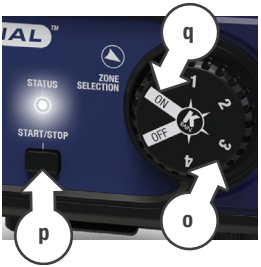


Basic Functions

Manual Operation

1. On the **ZONE** page, tap **MANUAL WATER** [i]
2. Select from **ZONES 1-4** [j] that you want to manually water
3. Set the desired **RUN TIME** using the time selector [k]
4. Tap **START** [l] to start watering for the set **RUN TIME**
5. Tap **STOP** [m] to finish watering before the **RUN TIME** has lapsed

- The sprinkler animation [n] will run while **MANUAL WATER** is running
- To manually water without using ***iGardener®***, turn the **MAIN DIAL** to the desired **ZONE** [o] and press the **START/STOP** button [p]
- Schedules will run if the **MAIN DIAL** is set to **ON** [q], **ZONES 1**, **2**, **3**, or **4**



Basic Functions

Syncing Watering

To setup schedules without any overlaps use the **STARTS SYNCED** option

1. Follow the instructions as per the Scheduling section of this manual to set your watering routine

Rather than setting **START TIMES** for **ZONES 2-4**, you can hit the **SYNC** button after **DAY SELECTION** and **RUN TIMES** are set

2. Once **RUN TIMES** are set for each **ZONE**, tap **ZONE 1** on the **ZONES** page [r]

3. Next to **START 1**, tap the **STARTS NOT SYNCED** icon [s]

13 of 28

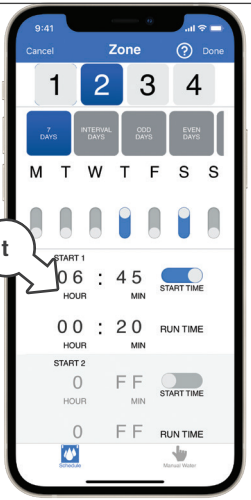
Basic Functions

Syncing Watering (continued)

- This will update to show **STARTS SYNCED** when the **START TIMES** have been synced
- This will sync **START TIMES** across all **ZONES** for **START 1** only

4. Check additional **ZONES** to see **START TIMES** are automatically set [t]
5. Repeat steps 1-3 to set up **SYNCING WATERING** for **STARTS 2-3** as desired

- **SYNCING WATERING** does not apply to **CYCLE WATERING**



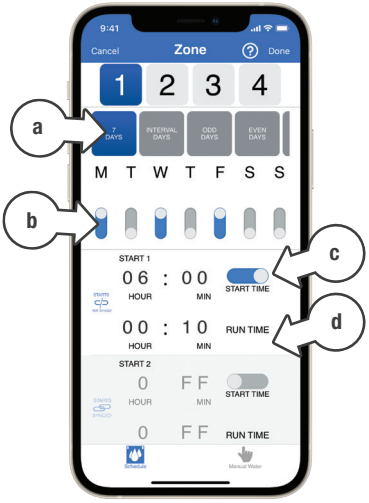
Scheduling

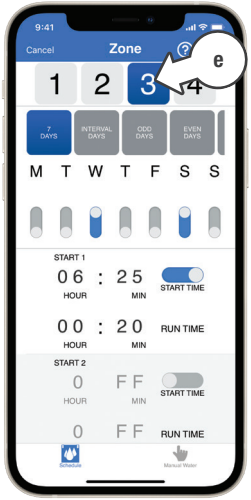
7 Days Watering

1. On the **ZONE** page, **7 DAYS** [a] watering will be automatically selected
2. Use day switches to toggle each day **ON** or **OFF** as required [b]
3. Set up to 3 **START TIMES** [c] for your **K Dial Tap Timer** as required
4. Set a **RUN TIME** [d] for each of the **START TIMES** shown

ℹ This example, will water **ZONE 1** on Monday, Wednesday and Friday for 10 minutes at 6am

5. Toggle through **ZONES 2-4** [e] and repeat steps 2-4

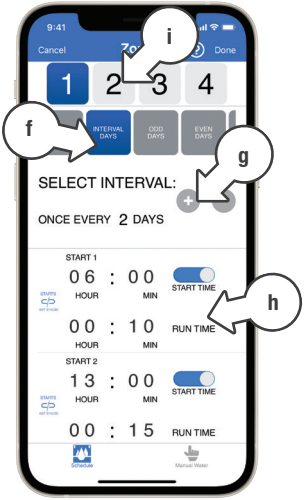




Scheduling

Interval Days Watering

1. On the **ZONE** page, tap **INTERVAL DAYS** [f]
2. Set the day interval by tapping + or − [g]
3. Set **START** and **RUN TIMES** [h] in the same way as **7 DAY WATERING**
4. Toggle through **ZONES 2-4** [i] and repeat steps 1-3



This example shown will water **ZONE 1** every 2 days for 10 minutes at 6am and 15 minutes at 1pm:

If today is Monday and you setup an interval of:

1 day, it will water Tue, Wed, Thu ... (DAILY)

2 days, it will water Wed, Fri, Sun ...

3 days, it will water Thu, Sun ...

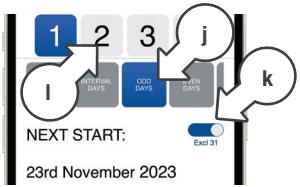
4 days, it will water Fri, Tue ...

Today, the day of setting the program is not included in the day count

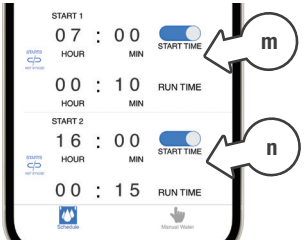
Scheduling

Odd (calendar) Days Watering

1. On the **ZONE** page, tap **ODD DAYS** [j]
2. To skip watering on the 31st, toggle **EXCL 31** [k] to **ON**
3. Set **START** and **RUN TIMES** in the same way as **7 DAY WATERING**
4. Toggle to **ZONE 2** [l] and repeat steps 1-3



This example will water **ZONE 1** at 7am for 10 minutes [m] and 4pm for 15 minutes [n], on every odd day beginning 23rd November 2023, excluding the 31st of any month



Even (calendar) Days Watering

1. On the **ZONE** page, tap **EVEN DAYS** [o]
2. Set **START** and **RUN TIMES** [p] in the same way as **7 DAY WATERING**
3. Toggle through to **ZONE 2** [q] and repeat steps 1-3

This example shown will water **ZONE 1** at 6:30am for 15 minutes on every even day beginning 22nd November 2023

Scheduling

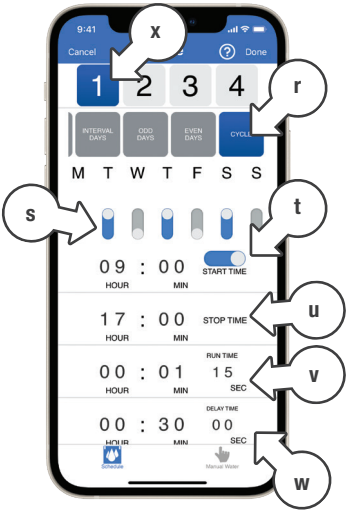
Cycle Watering

This feature allows you to run short burst intervals starting at 5 seconds, suitable to use with a misting system or greenhouse.

1. On the **ZONE** page, tap **CYCLE** [r]

ℹ You may need to swipe the scheduling options across to access the **CYCLE** button

2. Use the day switches to toggle each day **ON** or **OFF** as required [s]
3. Set a **START TIME** [t]
4. Set a **STOP TIME** [u]
5. Set a **RUN TIME** [v]
6. Set a **DELAY TIME** [w]
7. Toggle through **ZONES 2-4** [x] and repeat steps 1-6



Scheduling

Cycle Watering (continued)

- Only one **CYCLE** can operate at any given time, it is not possible to have cycle watering running on multiple **ZONES** at the same time
- Using this feature can drain battery life when **RUN** and **DELAY TIMES** are set at a high frequency
- **RUN** and **DELAY TIMES** must be set to at least 5 seconds
- The example shown will water **ZONE 1** on Tuesday, Thursday and Saturday, starting the cycle at 9am and finishing at 5pm. Watering will run for 1 minute 15 seconds, with a 30 minute delay in between

Scheduling

Conflicting Watering Schedules

- Rather than turning on all of your **ZONES** at once, the ***K Dial Tap Timer*** will automatically run each **ZONE** one-by-one per your desired **RUN TIMES**
- Running multiple **ZONES** at once is not possible as this will result in pressure loss across your irrigation system
- If a **CYCLE WATERING** schedule conflicts with another watering **START**, the watering **START** will run after the **CYCLE WATERING** time has finished (based on the cycle **STOP TIME**) For example: on Monday, **CYCLE WATERING** is set from 8am-8pm and a regular watering is set for 11am. The regular watering will start at 8pm (after **CYCLE WATERING** has ended)
- Multiple **CYCLE WATERING** starts cannot run, even when the **DELAY TIME** is set up to have a big enough gap, as the ***K Dial Tap Timer*** cannot run multiple starts simultaneously

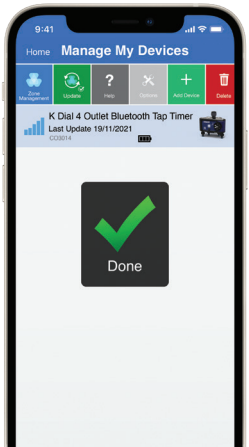
Scheduling

Saving Schedules

After entering any schedule details, tap **DONE** [y]

1. To send the new schedule to your ***K Dial Tap Timer***, tap **UPDATE** [z] above the device list

2. A **DONE** symbol will appear when the new schedule has been synced with your ***K Dial Tap Timer***



Turning Off All Schedules

Turn the **MAIN DIAL** to **OFF** to disable all watering schedules

Support

Unpairing your K Dial Tap Timer from iGardener®

- This may be necessary if you wish to move your ***K Dial Tap Timer*** to a different smartphone

To unpair your K Dial Tap Timer via your smartphone:

- Ensure your ***K Dial Tap Timer*** is selected in the device menu and tap **DELETE**

To unpair your K Dial Tap Timer manually:

- Your ***K Dial Tap Timer*** can be unpaired by removing the batteries

- If a schedule is set on your ***K Dial Tap Timer*** when it is unpaired via your smartphone, the schedule will continue to run until it is paired with a new smartphone and a new schedule is saved

K Dial Tap Timer Connection Issues

1. Ensure your ***K Dial Tap Timer*** is fitted with alkaline batteries correctly as per the instructions
2. Ensure your smartphone is within 20m ***Bluetooth®*** range
3. Ensure no other smartphone is currently paired with your ***K Dial Tap Timer***–this can be resolved by following the unpairing process
4. Your ***K Dial Tap Timer*** is designed to be operated from ***iGardener®***– without the app, it cannot be programmed
5. For additional help press ? where possible, or visit www.k-rain.com.au /K Dial Tap Timer for more information

Support

K Dial Tap Timer Connection Issues (continued)

- If your ***K Dial Tap Timer*** shows as disconnected after replacing the batteries, please wait a few minutes for ***iGardener®*** to update your device status
- For additional support with connection issues, please contact our ***Customer Service*** team

Resetting your K Dial Tap Timer

1. Before a hard reset, we recommend the timer is removed from the ***iGardener®*** app. With the tap timer highlighted at the top, tap **DELETE** [a] and follow the prompts to remove the timer.

2. On the device, move the dial to **OFF**
3. Press and hold **START/STOP**, watch for 3 quick red flashes, continue to hold for 5 seconds, 3 blue flashes will occur, let go of the button.
4. Add the tap timer back into the ***iGardener®*** app

Maintenance

Cold Weather

Your ***K Dial Tap Timer*** should be removed from the tap and stored away during winter

Keep your *K Dial Tap Timer* out of freezing conditions (min 3˚) as this can damage internal components

Batteries

Remove batteries from your ***K Dial Tap Timer*** during periods of non-use

Battery leakage can cause corrosion and damage to your *K Dial Tap Timer*

Warranty

2 Year Replacement Guarantee

Holman Industries offers a 2 year replacement guarantee with this product.

In Australia our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

As well as your statutory rights referred to above and any other rights and remedies you have under any other laws relating to your Holman product, we also provide you with a Holman guarantee.

Holman Industries guarantees this product against defects caused by faulty workmanship and materials for 2 years domestic use from the date of purchase. During this guarantee period Holman Industries will replace any defective product. Packaging and instructions may not be replaced unless faulty.

In the event of a product being replaced during the guarantee period, the guarantee on the replacement product will expire 2 years from the purchase date of the original product, not 2 years from the date of replacement.

To the extent permitted by law, this Holman Replacement Guarantee excludes liability for consequential loss or any other loss or damage caused to property of persons arising from any cause whatsoever. It also excludes defects caused by the product not being used in accordance with instructions, accidental damage, misuse, or being tampered with by unauthorised persons, excludes normal wear and tear and does not cover the cost of claiming under the warranty or transporting the goods to and from the place of purchase.

Should you suspect your product may be defective and need some clarification or advice please contact us directly:

1300 716 188
support@holmanindustries.com.au
11 Walters Drive,
Osborne Park 6017 WA

If you are certain your product is defective and is covered by the terms of this warranty, you will need to present your defective product and your purchase receipt as proof of purchase to the place you purchased it from, where the retailer will replace the product for you on our behalf.

For support email info@k-rain.com.au or contact the friendly Customer Service team at Holman Industries on 08 9416 9999

Supplied and Serviced by Holman Industries

11 Walters Drive, Osborne Park WA 6017

SCAN FOR MORE INFO

We really appreciate having you as a customer and would like to say thank you for choosing us.

We recommend registering your new product on our website. This will ensure we have a copy of your purchase and activate an extended warranty. Keep up to date to with relevant product information and special offers available through our newsletter.

Scan here, or visit
k-rain.com.au/register
for more info

K-RAIN AUSTRALIA