Quick Setup Guide

WX8 8 Station Wi-Fi Irrigation Controller

Introduction

The ***WX8 Wi-Fi Irrigation Controller*** allows anyone with a smartphone and Wi-Fi access to control their home irrigation from anywhere on the globe. Each solenoid is connected to the ***WX8*** via an individual cable. To complete the electrical circuit, a *COMMON* wire runs from the ***WX8*** to all of your valves. To open a valve (or water a **ZONE**), the ***WX8*** sends an electric current to lift a plunger in the solenoid coil. After the **RUN TIME** has expired, the electric current is discontinued and the valve closes. The ***WX8*** will then automatically open the next valve in the sequence, continuing this way until all allocated **ZONES** have been watered. The ***WX8*** provides 3 **START** times where ZONES can be allocated to each START. In addition, ***Holman Home*** provides the ability to setup **TAP-TO-RUN** watering scenes and **AUTOMATION** watering scenes for your **STARTS** and **ZONES**

Controller Setup

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DOWNLOAD AND INSTALL *HOLMAN HOME*

i. Download ***Holman Home*** onto your mobile device via the ***App Store*** or ***Google Play***

Download on the App Store | GET IT ON Google Play

ii. Open ***Holman Home*** on your mobile device

✓ You may be prompted to allow notifications— ***Holman Home*** will still work if you choose not to

iii. Tap **REGISTER**

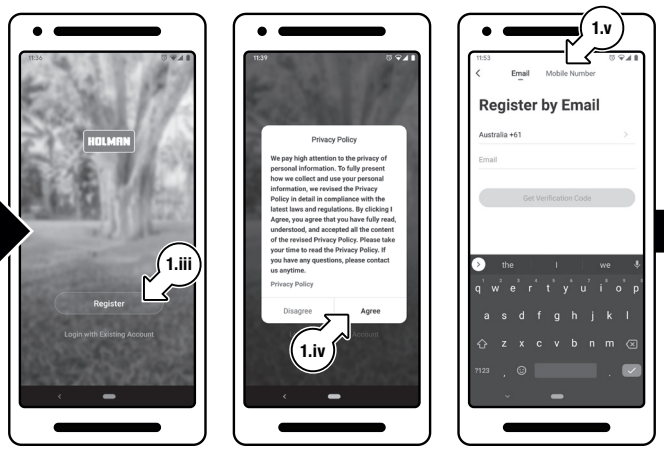
iv. Read our Privacy Policy and tap **AGREE** if you wish to proceed

v. Follow the prompts to register a ***Holman Home*** account with your email or mobile number

ⓘ Ensure your country details are correct at this stage

✓ You may be prompted to allow ***Holman Home*** to access your location. This allows the app to show weather information. ***Holman Home*** will still work if you choose not to allow this

vi. The home screen should now appear and you should be able to add devices to your ***Holman Home***



2

CONNECT YOUR *WX8* TO *HOLMAN HOME*

i. Plug in your ***WX8*** to a power source near your home Wi-Fi router

ⓘ This is only temporary for the setup process. See Mounting the Unit below for mounting your ***WX8*** into a permanent position

ii. Using ***Holman Home***, tap **ADD DEVICE** on the home screen

iii. Follow the prompts to continue adding your ***WX8*** to ***Holman Home***

iv. If connection is successful, the **AP** light will turn **BLUE** and your ***WX8*** will be available on the home screen

v. Turn the **MAIN DIAL** to **OFF**

vi. Unplug your ***WX8*** and move to your planned mounting location

vii. Plug your ***WX8*** into the nearest power source. After the **AP** light turns back to **BLUE**, turn the **MAIN DIAL** to **RUN**

viii. Install a 9V battery. See 9V Battery below for more information

AP LED INDICATORS

✓ **BLUE:** Your ***WX8*** is connected to ***Holman Home***. Turn the **MAIN DIAL** to **RUN**

✓ **OFF:** Check your router as you cannot control watering with ***Holman Home***. See Troubleshooting for more info

✓ **RED:** Your ***WX8*** cannot connect to the cloud server. Check your internet connection. See Troubleshooting for more info

ZONE LED INDICATORS

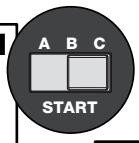
✓ **BLUE:** This zone is currently watering

✓ **BLUE CHASING AROUND MAIN DIAL:** Mains power source is connected and the 9V battery has enough power

✓ **RED CHASING AROUND MAIN DIAL:** Mains power source is connected but 9V battery needs to be replaced

RUN

✓ Control the watering using ***Holman Home***, or press **START** to manually run Start **A**, **B** or **C** as per the **SLIDER SWITCH**



SLIDER SWITCH

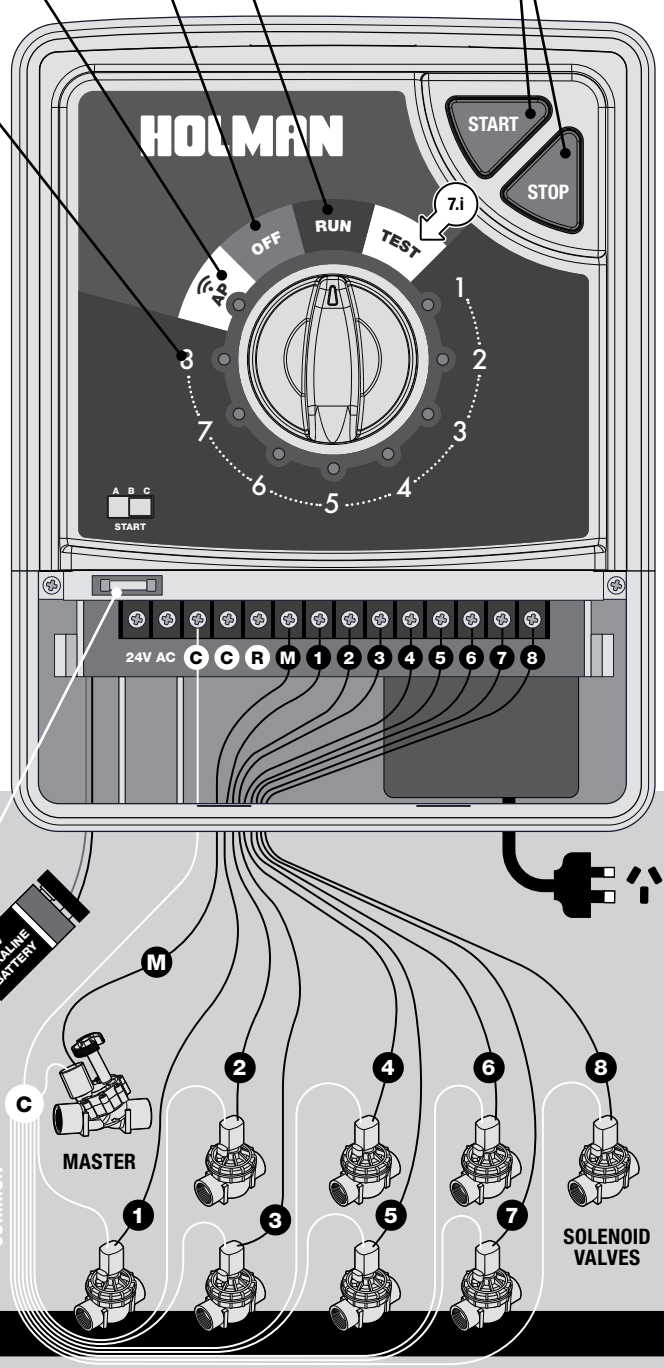
OFF

✓ No watering schedules will run and current watering will be stopped

START/STOP

✓ When a **ZONE** is selected with the **MAIN DIAL**, press **START** to manually run for 10 minutes. This default time can be changed using ***Holman Home***

✓ Press **STOP** to suspend all current watering



Installation and Wiring

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MOUNTING THE UNIT

ⓘ Position the unit in a place that is convenient for valve wiring, near a power source and within range of your Wi-Fi network

✓ Install near a 240V AC outlet

✓ We recommend mounting the unit at eye level

✓ Try to avoid areas exposed to rain or prone to flooding or heavy water

i. Drive a #8 screw into the wall, leaving approx. 4mm exposed. Use a toggle bolt or masonry plug if necessary

ii. Hang the unit from the key at the back, ensuring it is properly seated

iii. Optional: Remove the terminal cover to add additional screws through the holes in the lower corners for extra stability

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FIELD WIRING

i. Strip approx. 6mm of insulation and place this under the loosened screw, tighten gently and check the cable is firmly held

ii. Ensure terminal block screws are loosened sufficiently to permit easy access for wire ends. Insert stripped wire ends into the clamp aperture and tighten screws

ⓘ Do not over tighten as this may damage the terminal block

iii. Connect one cable from the terminals to each solenoid valve

ⓘ A maximum of 2 solenoid valves can be run off each output

iv. Complete the circuit by *looping* a common cable to all valves and connecting to the COMMON (**C**) terminal

ⓘ If your water is being supplied directly from the main water supply, it is recommended to install an approved *MASTER VALVE*. This is connected to the *COMMON* (**C**) and *MASTER VALVE* (**M**) terminals

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POWER SUPPLY

This unit runs off a 240V 50/60Hz single phase outlet, drawing 30VA at 240V AC

✓ ***Internal transformer:*** Reduces 240V AC to extra low voltage supply of 24V AC

✓ Fully compliant with AS/NZS 61558-2-6

✓ 30VA low energy, high efficiency toroidal transformer for long life performance

✓ ***Input:*** 240V AC 50/60Hz

✓ ***Output:*** 24AC, max. 1 amp

✓ ***To solenoid valves:*** 24V AC 50/60Hz. 0.5 amp max (up to 2 valves per zone)

✓ ***To master/pump:*** 24V AC 0.25, amp max

✓ Transformer and fuse capacity must be compatible with output requirements

ⓘ ***Overload protection:*** Standard 20mm 1 amp fuse with faulty station skip function

ⓘ Output circuits should be installed and protected in accordance with wiring rules

ⓘ Avoid connecting to a 240V AC supply which is also supplying motors (ie. pumps, refrigerators, etc.)

ELECTRICAL CONNECTION

ⓘ Installation must be carried out in accordance with all Local, State and Federal codes

ⓘ Disconnect all 240V AC power before commencing any field wiring or valve connection

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ZONE SETUP

i. Using ***Holman Home***, set up **START A** to include all connected **ZONES**, ensuring a **RUN TIME** is allocated to each one

FUSE

ⓘ Use only 1 amp fuse M-205

9V BATTERY

ⓘ Install a 9V battery so operational integrity of your ***WX8*** is maintained during Wi-Fi disconnections and power outages

ⓘ This battery should be replaced annually

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SYSTEM TEST

i. To run a system test, turn the **MAIN DIAL** to **TEST** and press **START**. Zones with start times set on **A**, **B** or **C** will run for 2 minutes in sequential order. Press **START** again to skip a zone in the testing order

ⓘ This is to ensure unconnected zones don't attempt to run against a closed head, damaging the pump

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FINALISING SETUP

i. If required, set up your ***EVIE Sensor*** or third party rain sensor

ii. Using ***Holman Home***, set up **START** times **A**, **B** and **C** as per your watering requirements. Also feel free to change the default manual run time for each **ZONE** as needed

iii. If necessary, change the name of your ***WX8*** within ***Holman Home***. This can make your ***WX8*** easier to use with voice commands through ***Google Assistant*** and ***Amazon Alexa***

iv. If connecting to ***Google Assistant*** or ***Amazon Alexa***, use ***Holman Home*** to set up scenarios for each **ZONE** and **START**

ZONE 1 LOCATION:	**ZONE 3 LOCATION:**	**ZONE 5 LOCATION:**	**ZONE 7 LOCATION:**
ZONE 2 LOCATION:	**ZONE 4 LOCATION:**	**ZONE 6 LOCATION:**	**ZONE 8 LOCATION:**