Manuals+ — User Manuals Simplified.

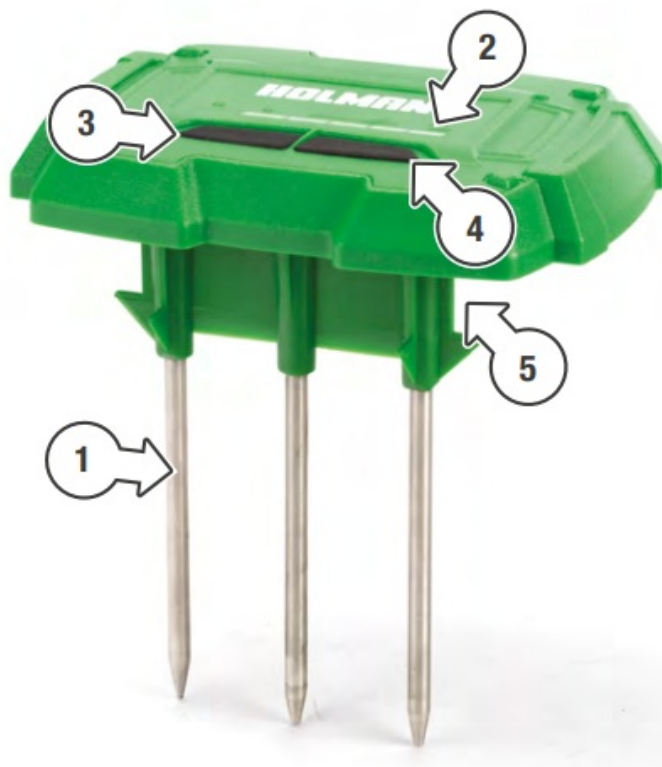
HOLMAN WXMS Smart Moisture Sensor User Guide

Contents

HOLMAN WXMS Smart Moisture Sensor

Overview

Smart Moisture Sensor Components

1. Sensor prongs
2. LED indicators
3. LEFT BUTTON

4. RIGHT BUTTON

5. Battery compartment: requires 3× AAA alkaline batteries only

   Note: Do not mix old and new batteries

Smart Moisture Sensor Features

The Smart Moisture Sensor connects to Holman Home and reports on your soil temperature and humidity. It can also automatically inhibit watering from your WX1 Tap Timer or one zone of your WX2 Tap Timer based on the sensor soil moisture percentage.

- L Records soil moisture and soil temperature data in Holman Home
- L Helps reduce water usage with 5x levels of adjustable moisture sensitivity
- L Works with Holman WX1 Tap Timer and Wi-Fi Hub and WX2 Tap Timer and Wi-Fi Hub
- L Soil moisture range: 0% – 100%
- L Soil temperature range: 0ºC – 60ºC
- L Water rating: IP67
- L RF range: 917.2MHz~920MHz
- L RF maximum output power: +10dBm

  Note: Connect up to 8x Moisture Sensors to a single Wi-Fi Hub depending on the model (given an optimal

  environment)

Getting Started

Before connecting your Moisture Sensor check you have the following:

- Holman Home installed on your smart device
- Wi-Fi Hub [WX1TH or WX2TH] is added to Holman Home L WX1 Tap Timer or WX2 Tap Timer is added to

  Holman Home

Compatibility

Check the model number of your Wi-Fi Hub to determine the amount of Moisture Sensors that can be paired with your WX1 or WX2 Tap Timer. Scan the QR code for more help.

1. Open the Wi-Fi Hub through Holman Home and choose the PENCIL icon (top right on the screen),
2. Choose DEVICE UPDATE and then check the main module version

Wi-Fi Hub Model 1.2.1, MCU HOL9-017 or HOL9-018:

- L Pair 1× Moisture Sensor
    - Max 4× WX1 Tap Timersand 1× Moisture Sensor (given an optimal environment)
    - Moisture Sensor controls all WX1 Tap Timers
    - This model is not compatible with WX2 Tap Timers

Wi-Fi Hub Model 1.2.1, MCU HOL9-028 or HOL9-030:

- L Pair 1× Moisture Sensor per WX1 Tap Timer
    - Max 4× WX1 Tap Timers and 4× Moisture Sensors (given an optimal environment)

Wi-Fi Hub Model 1.2.8 or greater:

- Pair 1× Moisture Sensor per WX1 Tap Timer
- Pair 2× Moisture Sensors per WX2 Tap Timer (one per Zone)
   - ® Max 4× WX Tap Timers and 8× Moisture Sensors (given an optimal environment)

Setup

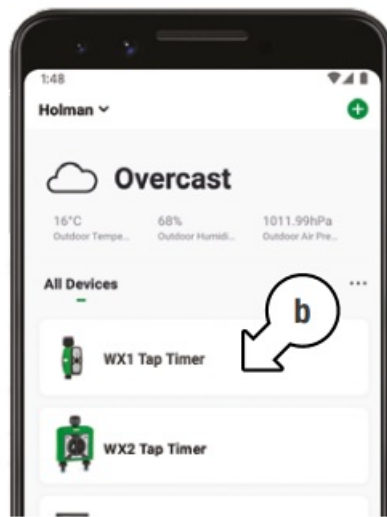**Connecting to your Tap Timer**

1. Unscrew the back of your Moisture Sensor
   a. to install three AAA batteries, leaving the battery lid off the unit

2. Temporarily bring your Moisture Sensor close to your WX1 Tap Timer or WX2 Tap Timer for the setup process
3. Using Holman Home, choose your WX Tap Timer
   [b] from the HOME screen
4. Tap SENSOR
   [c] in the lower menu to access the SENSOR screen
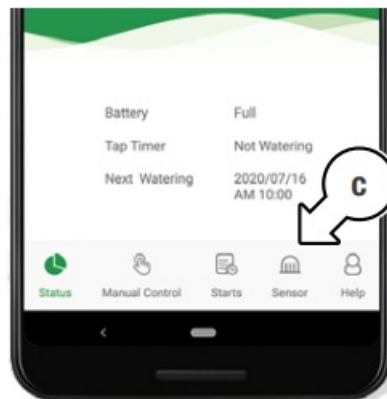
Note: Select from Zone 1 or Zone 2 when connecting to a WX2 Tap Timer

5. On your Moisture Sensorpress and hold the small black button

   [d] near the batteries for three seconds

6. The top of your sensor should show a red indicator LED

   [e] after this

7. Back to Holman Home onyour mobile device, on the SENSOR screen, toggle the SOIL SENSOR switch on
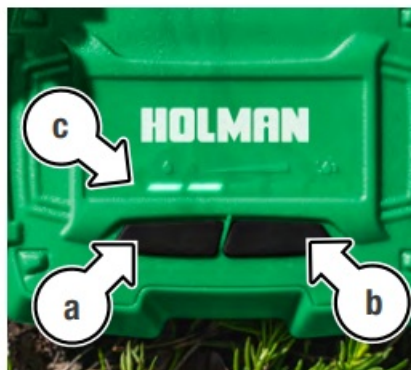
Note: If the switch does not toggle on after five seconds, there may be a connection issue between the WX Tap Timer and your Moisture Sensor

8. Screw the battery lid cover back onto the Moisture Sensor

Operation

Setting the Moisture Level

1. After connecting your Moisture Sensor, hold down the LEFT BUTTON [a] and RIGHT BUTTON [b] for at least five seconds


Note: The LED indicators [c] will show the current moisture level

2. There are five levels of moisture indication from 💧 tint through to tinttint as shown on the sensor panel: 20% – 40% – 60% – 80% – 100% (volume water content)
   To set the threshold moisture level (where the sensor communicates to your WX Tap Timer to stop watering) press the LEFT BUTTON to adjust the indicator, and the RIGHT BUTTON to confirm your setting
3. The WX Tap Timer screen [d] in Holman Home will turn red when the Moisture Sensor has disabled watering– this will turn back to green when moisture returns below the threshold level
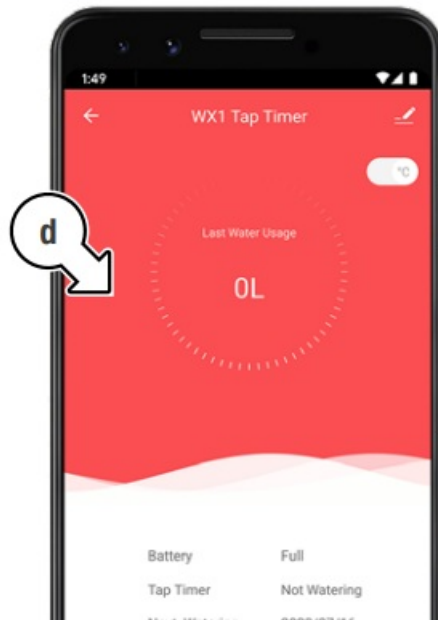
Positioning the Smart Moisture Sensor

1. Once paired, remove the black plastic protectors from the end of each prong
2. Ensure the Moisture Sensor is placed no more than 30 metres line of sight from the WX1 or WX2 Tap Timer
   Note: Do not use a hammer to install the Moisture Sensor
3. If the soil is very compressed, it is recommended to soften up the soil by adding water before inserting
   Note: This is especially important in clay soils
4. When placing the Moisture Sensor in the ground please ensure the soil is wet before inserting the Moisture Sensor to prevent air gaps
   Note: Air gaps will lead to wrong soil moisture measurements
5. Ensure the soil is properly compressed
   Note: The density of the surrounding soil will influence the measurement signal
6. Ensure the Moisture Sensor is installed in undisturbed soil
7. Ensure the Moisture Sensor is placed in a location where there is minimal disturbance to roots and plants
8. Ensure the Moisture Sensor location is in an average location of the climate conditions of the area you are watering
   Note: For example, if your garden is mostly shaded, place the Moisture Sensor in the shade
9. Ensure the prongs are fully buried with the green top above the ground, just on the surface
10. Ensure there is adequate drainage around the Moisture Sensor
11. If water pools around the top of the Moisture Sensor it will affect the ability for it to communicate back to the WX1 or WX2 Tap Timer

Maintenance

Cold Weather and Batteries

- Your Moisture Sensor should be removed from the ground and stored away during winter
- Keep your Moisture Sensor out of freezing conditions as this can damage internal components
- Remove batteries from your Moisture Sensor during periods of non-use
- Battery leakage can cause corrosion and damage to your Moisture Sensor

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. Italso 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.

The Holman website has a host of additional information on features. Head to support.holmanindustries.com.au for more tips, tricks and support content.
If you still need help, feel free to email our friendly Customer Service team at
support@holmanindustries.com.au or call at 08 9416 9999.

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.
www.holmanindustries.com.au/product-registration/

Documents / Resources

HOLMAN WXMS Smart Moisture Sensor [pdf] User Guide
WXMS, Smart Moisture Sensor

References

- **Holman Industries - Irrigation, Garden Lights, Plumbing**
- **Product Registration and Extended Warranty - Holman Industries**