

HOLMAN

Smart 
Moisture Sensor



www.holmanindustries.com.au

User Guide

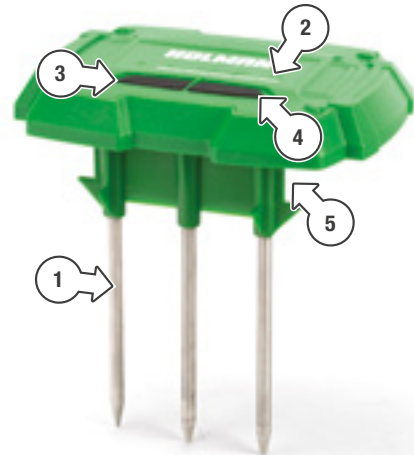
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Overview

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
- ⚠ Do not mix old and new batteries**



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Model no: WXMS

RoHS   CE

Overview

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.

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

Overview

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:

- ✔ Pair 1x **Moisture Sensor**
- ❗ Max 4x **WX1 Tap Timers** and 1x **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:

- ✔ Pair 1x **Moisture Sensor** per **WX1 Tap Timer**
- ❗ Max 4x **WX1 Tap Timers** and 4x **Moisture Sensors** (given an optimal environment)

Wi-Fi Hub Model 1.2.8 or greater:

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

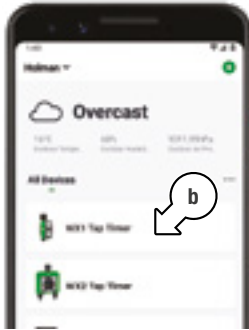
Setup

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

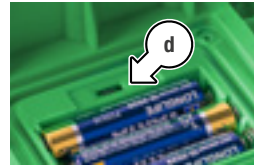


- i** Select from **Zone 1** or **Zone 2** when connecting to a **WX2 Tap Timer**

Setup

Connecting to your Tap Timer

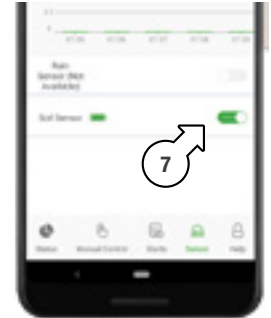
5. On your **Moisture Sensor** press and hold the small black button [d] near the batteries for three seconds



6. The top of your sensor should show a red indicator LED [e] after this



7. Back to **Holman Home** on your mobile device, on the **SENSOR** screen, toggle the **SOIL SENSOR** switch on

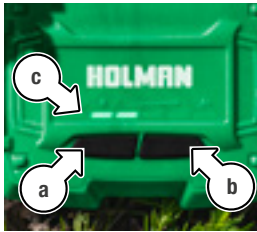




- i** If the switch does not toggle on after five seconds, there may be a connection issue between the **WX Tap Timer** and your **Moisture Sensor**
8. Screw the battery lid cover back onto the **Moisture Sensor**

Operation

Setting the Moisture Level

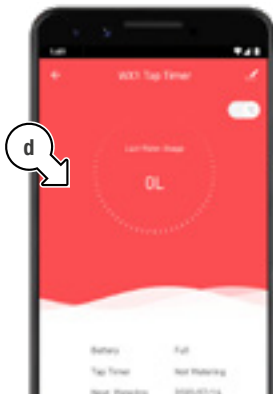
1. After connecting your **Moisture Sensor**, hold down the **LEFT BUTTON** [a] and **RIGHT BUTTON** [b] for at least five seconds



- i** The **LED indicators** [c] will show the current moisture level
2. There are five levels of moisture indication from  through to  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



Operation

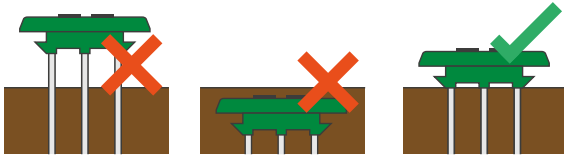
Positioning the Smart Moisture Sensor

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**
- A** 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
- i** 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
- i** Air gaps will lead to wrong soil moisture measurements
5. Ensure the soil is properly compressed
- i** 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
- i** For example, if your garden is mostly shaded, place the **Moisture Sensor** in the shade

Operation

Positioning the Smart Moisture Sensor (continued)

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. 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.

Need help? Just ask!

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**.



SCAN FOR MORE INFO



Thanks for being a
#SMARTGARDENER

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/



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