EDEN®

Wireless Soil Moisture Sensor

25417-EDAMZ

Cover

Battery tray

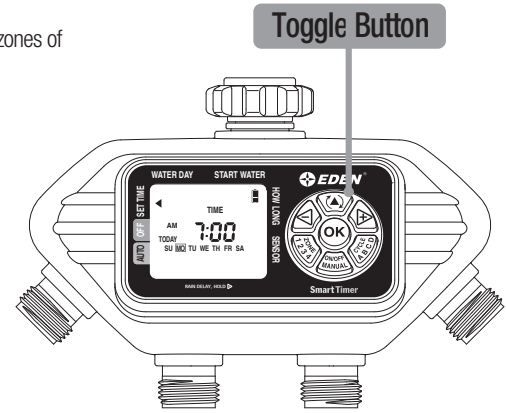**Sensor**

2 x AA Alkaline batteries

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1 Pair Your Wireless Moisture Sensor with Your Timer

Pairing the Moisture Sensor should be done before placing the sensor in the ground.

You must program the zone you want to monitor before pairing the sensor. Only one zone can be paired at a time.

a) Insert 2 fresh AA alkaline batteries into the battery tray of the sensor.
b) Press the ⌃ button on the timer to move the cursor ▶ to the SENSOR setting.
c) For multi-zoned timers, select the zone you want paired with your Moisture Sensor. For a 1-zone timer, move directly to the next step.
d) Simultaneously press the button on your sensor and the ⊙K button on your timer for about 10 seconds to start the pairing process. You will see the sensor box and 📶 symbol appear on your timer screen once the Moisture Sensor has been paired.

Repeat this process for any additional sensors you want to add to the remaining zones of multi-zoned timers.

Toggle Button

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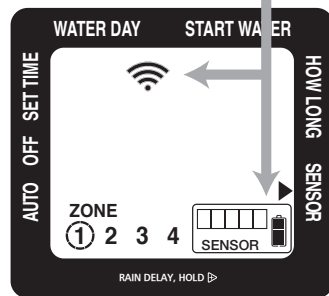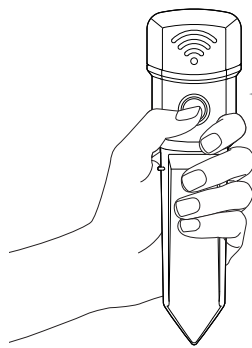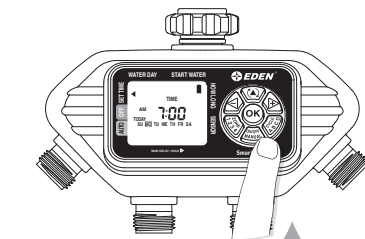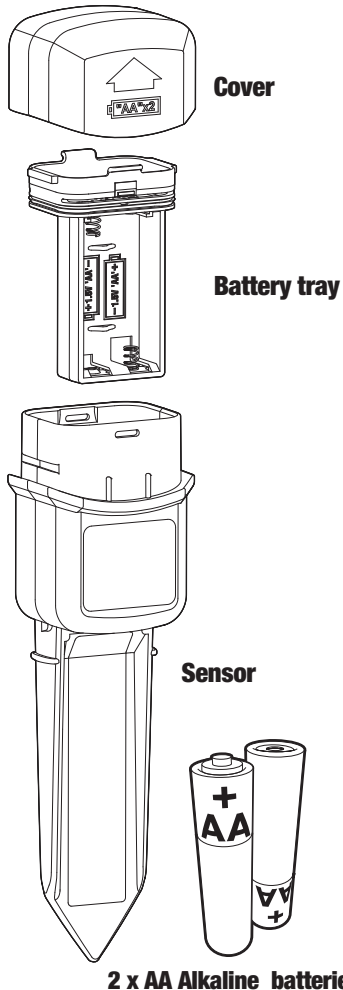
2 Place the Sensor in the Ground

Place the point of the sensor into the soil within the area you want to monitor. Bury the sensor up to the indicator ribs located on the side of the sensor. The sensor should be placed within 300 ft. (100 m) of the timer.

It will take a few minutes for the timer to show the soil moisture reading.

NOTE: Do not hammer the sensor into the ground. You may need to loosen the soil with a small shovel.

UP TO 300ft 100m

Indicator Ribs

WATER DAY   START WATER

AUTO OFF SET TIME   HOW LONG   SENSOR

ZONE ① 2 3 4   SENSOR

RAIN DELAY, HOLD ▷
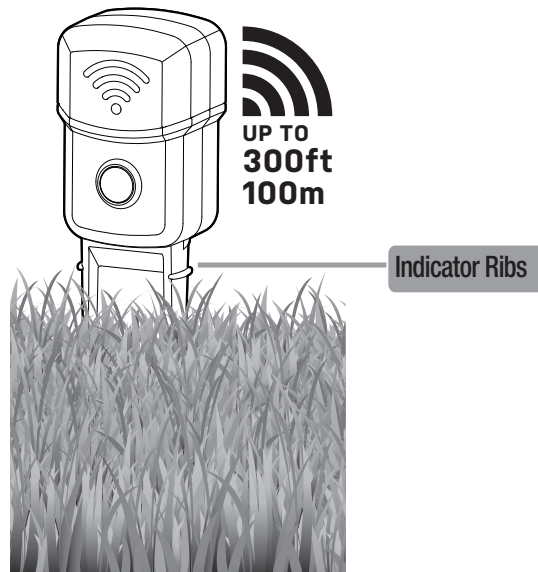
3 Set Desired Moisture Level

Different plants or soils have different moisture requirements. Once the Moisture Sensor is connected to the timer and placed in the ground, the timer will show the current soil moisture reading with one to five water droplets appearing in the sensor box. The cursor ▲ below the droplets sets the default moisture level at 60%. We suggest beginning with the default setting.
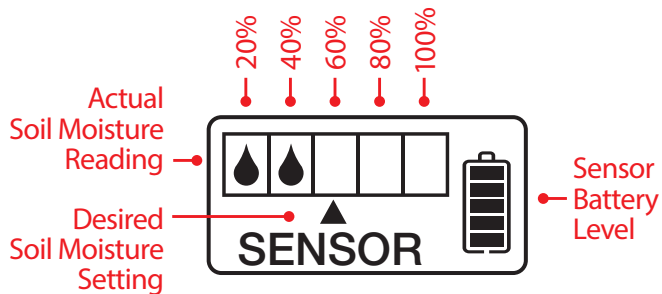

Otherwise, use the ◄▷ buttons to adjust the moisture level as desired. To set the moisture level, press ⌃ the button to move the cursor ▶ to the AUTO setting. The timer screen will alternate between showing the current time and the next watering cycle of each zone with the sensor box.

Assess the soil and the plants during the first few watering cycles. If the soil is too wet or is too dry, follow the steps below to adjust the moisture level. You can select increments from 20% up to 100%.

Adjust the Soil Moisture Level:
a) Press the ⌃ button on the timer to move the cursor ▶ to the SENSOR setting.
b) For multi-zoned timers, select the zone you paired with your Moisture Sensor. For a 1-zone timer, move directly to the next step.
c) Use the ◄▷ buttons to adjust the moisture level.
d) The cursor ▲ will keep flashing while you make adjustments.
e) Once your moisture level is set, press the ⌃ button to move back to the AUTO setting.

The diagram below shows the desired soil moisture setting at 80% and the actual soil moisture reading at 40% (2 water droplets).
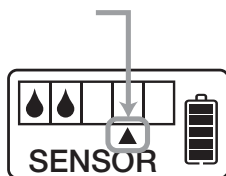
Watering will be suspended if the actual reading matches the desired moisture setting. If the reading does not reach the desired moisture setting, the timer will water for the length of the watering cycle (HOW LONG setting on timer).

NOTE:

- If the desired moisture setting is set to 100% and the soil is still too dry, increase the length of the watering cycle (HOW LONG) or the frequency of watering (WATER DAY).
- The Eden Wireless Soil Moisture Sensor is specifically designed and programmed to work with Eden brand water timers only.
- Adding additional moisture sensors will cause the timer battery to be consumed more rapidly. When the sensor battery level indicator is flashing, please change the batteries.
- Only use alkaline batteries with the sensor and water timer. Non-alkaline batteries will not provide sufficient energy.

4 Disconnect Your Wireless Moisture Sensor from Your Timer

To pair the Moisture Sensor with a different zone or disconnect from the timer, follow the steps below.

a) Press the ⌃ button on the timer to move the cursor ▶ to the SENSOR setting.
b) For multi-zoned timers, select the zone you paired with your Moisture Sensor. For a 1-zone timer, move directly to the next step.
c) Press the ⓄⓀ button on the timer for 10 seconds to disconnect the Moisture Sensor.
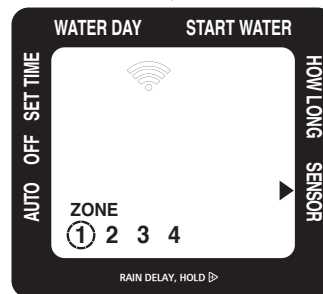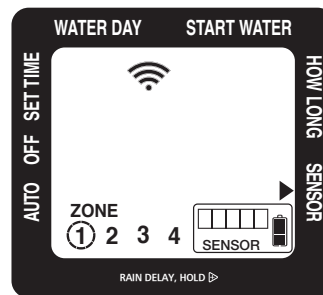
Moisture Sensor Spec:
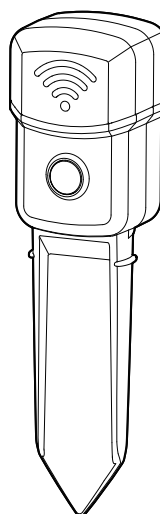
Works with
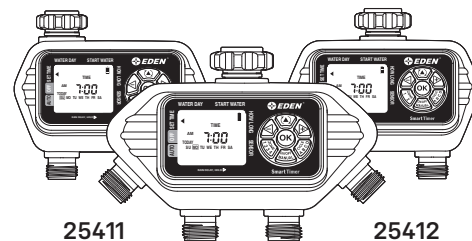
25411   25412
25413
*Not Included

Model: 25417-EDAMZ
Range: 300 ft (100 m) without interference
Temperature Operating: 32 - 110° F (0 -45°C) T45
Operating Frequency: 915 MHz (N. Amer.)

FCC Statement :

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modification not expressly approved by our Yuan Mei Corp. could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy

and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment o and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna

- Increase the separation between the equipment and receiver

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help

To comply with FCC RF exposure requirements, the device and the antenna for this device must be installed to ensure a minimum separation of 20cm or more from a person's body. Other operating connfigurations should be avoided.

CAN ICES-3 (B)/NMB-3(B) Canada Statement :

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

(1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf

⚠ CAUTION ⚠

- For outdoor use with cold water only !

- Do not spray near electrical connections.

- When not in use, rinse the tool with water to remove dirt, dry your tool, and store indoors.

- Not for use with household appliances.

- Do not mix Alkaline, carbon-zinc, or rechargeable batteries.

- Used or dead batteries must be removed from the timer and disposed of properly.

- Use only with one timer.

WARNING:

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm, and styrene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Disposal:

Should your unit need replacement after extended use, do not dispose of it with the household waste, but in an environmentally safe way.

Waste produced by electrical machine items should not be handled like normal household garbage. Please recycle where recycle facilities exist. Check with your local authority or retailer for recycling advice.