

Be Water Wise!



# AquaSentry

Wireless Moisture Sensor

- Automatically Water When You Want
- Monitor the Soil to Maintain Desired Moisture Level
- Save Water, Time and Money



Patent Pending

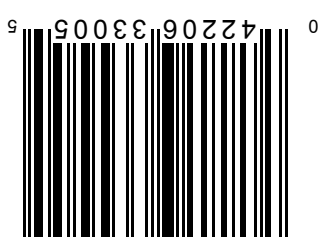


- Melnor AquaTimer™ included
- View entire program at a glance
- Easy to set

Model 33005

## Complete Watering Management Set

Designed for America's Growing Needs.®



Made in China

**Caution:**  
 1. Residential use only. Not intended for commercial applications.  
 2. Intended for outdoor use only.  
 3. Severe electrical shock could result if water is sprayed into outlets or sources of electrical current.  
 4. Do not use water over 115° F (46° C).

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1. Changes or modifications not expressly approved by Melnor, Inc. could void the user's authority to operate the equipment.  
 2. 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 off or 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 the receiver.  
 .. Connect the equipment into a different outlet or a circuit different from that to which the receiver is connected.  
 .. Consult the dealer or an experienced radio/TV technician for help.  
 3. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device must accept any interference, including interference that may cause undesired operation.

The Melnor AquaSentry™ works in conjunction with Melnor's AquaTimers™ sensor in the area you are watering and set the desired moisture level. Then attach the receiver to your timer. The AquaSentry™ will prevent watering when it is not needed and end watering when your desired level has been reached. It's that simple. The result is healthy grass and plants while saving money and conserving water.

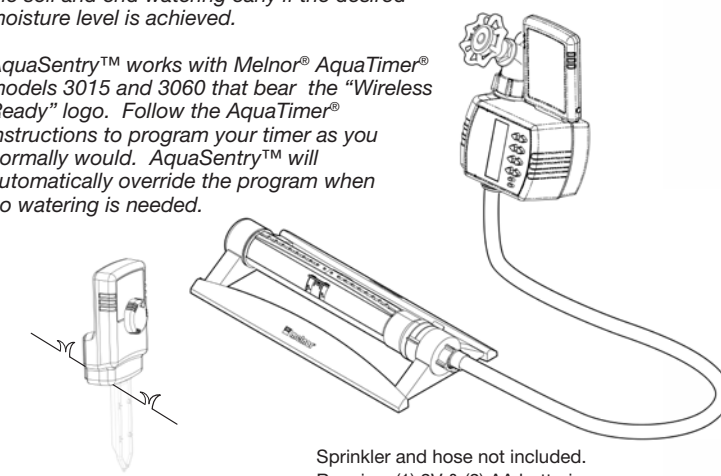
## Complete Watering Management Set



Welcome to the world of Melnor® watering innovation. Thank you for choosing the Melnor® AquaSentry™ Wireless Moisture Sensor. With the AquaSentry™, you will avoid unneeded and wasteful watering while protecting the health and beauty of your valuable lawn and garden.

The AquaSentry™ is an innovative device that automatically monitors the amount of moisture in the soil and then prevents your Melnor® AquaTimer® from activating if there is already enough moisture present. Additionally, once watering has begun, AquaSentry™ will continue to monitor the soil and end watering early if the desired moisture level is achieved.

AquaSentry™ works with Melnor® AquaTimer® models 3015 and 3060 that bear the "Wireless Ready" logo. Follow the AquaTimer® instructions to program your timer as you normally would. AquaSentry™ will automatically override the program when no watering is needed.



Sprinkler and hose not included. Requires (1) 9V & (2) AA batteries.



At Melnor, we're committed to the responsible use of one of the world's most precious resources. We continue to introduce innovative products that help you conserve water while maintaining healthy lawns and gardens. Through our dedication and our products, we give you the tools you need to Be Water Wise. We believe that with dedication and our creative products we can all learn to Be Water Wise.

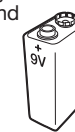
### Setting Up Your AquaTimer®

#### Install the Battery

Tool required: Phillips head screwdriver.



Remove screws and lift off the battery cover. You may need to use the screwdriver to gently pry off the battery cover. Insert one 9V battery and replace battery cover and screws. Make note of the positive and negative contacts.



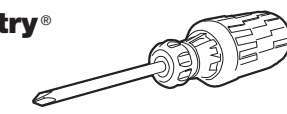
#### Attaching the Timer to the Faucet

NOTE: Your AquaTimer® can be programmed on or off the faucet. It may be easier to program the timer first and then attach it.

### Setting Up Your AquaSentry®

#### Install the Batteries

Tool required: Phillips head screwdriver.



Remove the two small screws and remove the battery cover. Insert two (2), fresh AA batteries. Please note the positive (+) and negative (-) ends of the batteries and ensure they are inserted correctly following the markings inside the battery compartment.

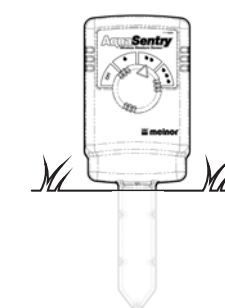


Replace the battery cover and screws. A fresh set of quality batteries should last a full watering season or about nine months.

Simply attach the top coupling nut to the faucet by twisting the nut clockwise. The nut should be snug. Do not overtighten. Once the AquaTimer® is attached, turn on the faucet and leave it on while the timer is attached. Remember to turn off the water when you need to remove the AquaTimer®. Attach a garden hose to the outlet end of the timer and then set up a sprinkler as you normally would.

#### Setting the Timer

1. Use left arrow to decrease and right arrow to increase numbers (◀▶) to set "Current Time" to nearest hour at that time, noting AM and PM.
2. Repeat above instructions to set "Start Time" to desired time of day to begin watering.
3. Use left and right (◀▶) arrow buttons to set "How Often" (watering



#### Place the Moisture Sensor

CAUTION: Never use a hammer or any other tool to pound the unit into the ground. Do not attempt to force the unit into the ground. This will damage the Sensor. The AquaSentry™ has a maximum wireless range of 200 feet (60 meters). The Sensor must be placed within the area you are watering. For best operation, place the Sensor in direct sight of the Timer/Receiver. The Sensor can be placed out of direct site of the Timer/Receiver, but the range may be diminished somewhat.

To insert the Sensor, first dig a pilot hole about the same size as the probe. The hole must be deep

- enough to bury the entire sensor probe. (Illustration) Remove any large rocks or other debris from the soil that is removed from the hole. Place the Sensor into the hole so that the entire probe is under ground level. The face of the Sensor unit should be turned toward the Timer/Receiver. Return the soil to the hole and pack firmly into place. It is important that the entire front surface of the probe be in contact with the soil.

#### Selecting the Desired Moisture Level

Individual grass and plant species have varying moisture requirements. The AquaSentry™ Moisture Sensor has three moisture settings plus OFF. Melnor® recommends initially setting the knob to the medium setting (two droplets). After a week, you should reassess the moisture in the area you are watering. If the soil is too wet, adjust the unit to the dryer setting (one droplet). If the soil is too dry, select the wetter setting (three droplets).

To avoid watering during the current program, press the Program On/Off button to disable the program and press again to enable the program when desired.

#### Watering Manually

Press the Manual On/Off button to water manually. Press the button again to stop watering; otherwise the timer will water for 30 minutes and automatically shut off.

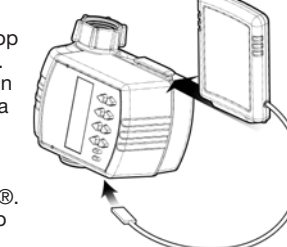
#### Low Battery

A fresh battery should last one watering season. When the battery is weak, the low battery indicator bar will show. If this occurs during a watering program, the unit will automatically shut off and discontinue

Continue to monitor your particular watering requirements based on weather conditions and overall plant health.

#### Attach the Receiver to the Timer

Slide the receiver onto the rail along the top of your compatible Melnor® AquaTimer®. The receiver does not need to slide fully on to work properly. You may need to leave a gap to allow for operation of the faucet.



Connect the Receiver cable to the socket located on the bottom of your AquaTimer®. Note the orientation of the three (3) pins to be certain the cable is attached correctly.

running the program. The valve will not reopen until a fresh battery is installed. After inserting a new battery, the timer must be re-programmed to resume watering.

#### LCD Sleep Mode

To prolong battery life, the LCD will "sleep" after approximately 4 minutes of button inactivity. "Wake" the unit by pressing either the Program On/Off or the Manual On/Off buttons.

After installing the receiver, press either the "Program" or "Manual" button once to wake the timer. If the AquaSentry™ system is working properly, an antenna symbol should appear as shown (Illustration...3015 and 3060).

Within 35 seconds indicating communication between the Sensor, Receiver and AquaTimer®. If the symbol displays steadily, your AquaSentry™ is working properly and monitoring the soil's moisture level.



If the antenna symbol is flashing, one of the following has occurred:

- a. The batteries in the moisture sensor are not installed properly or they are too weak.
- b. The Moisture Sensor is out of range.

If the antenna symbol fails to appear, the connection between the Receiver and the AquaTimer® is faulty.

Check all of the above. Wait for 5 minutes or until the AquaTimer® display turns off. Then wake the AquaTimer® and watch for the antenna symbol. The antenna symbol should appear within 35 seconds. Over time, if the antenna symbol begins to flash, the batteries in the Sensor are weak and need to be replaced.