



Turn any controller
into a smart controller.



SMRT-Y
Soil Moisture Sensor Kit
*Ensures your landscapes
drink responsibly.*

Closed Loop Irrigation

“It just makes sense”

It's time for a little feedback from the roots. With the new SMRT-Y Soil Moisture Sensor Kit from Rain Bird, an irrigation controller is directly linked to the absolute moisture requirements of a site's vegetation. When the sensor detects dry conditions, the next scheduled watering cycle is allowed. If a site's soil moisture level is above the threshold, the irrigation cycle is suspended.

There are just two basic components – an in-ground sensor and a user interface at the controller. Together they provide:

- Smart water management technology that automatically monitors moisture levels and suspends irrigation when soil conditions are adequate for healthy plant growth.
- Accurate volumetric moisture readings as well as soil temperature and electrical conductivity displayed on an easy-to-read LCD display.
- Ready-out-of-the-box sensor. Factory calibrated and ready for any soil type or micro climate conditions. Bury and forget.
- Easy to install. Connect the sensor to any existing zone wire.

Smart irrigation control is now easier than ever with the closed-loop feedback available from the SMRT-Y Soil Moisture Sensor.

Rain Bird Soil Moisture Sensor Kit

► Makes any irrigation controller “smart”

Simple to use, yet highly sophisticated in what it does for water savings, the SMRT-Y Soil Moisture Sensor represents a new class of smart control technology. This affordable device precisely monitors moisture levels in absolute – rather than relative – terms, unaffected by soil temperature or electrical conductivity that limit the accuracy of other sensors. Relaying that information back to the controller, it only allows a watering cycle when the root zone moisture drops below the set threshold. Based on the same TDT* sensing technology developed for agricultural applications, the SMRT-Y soil moisture sensor's long-lasting dependability addresses the environmental demands of both residential and commercial applications.

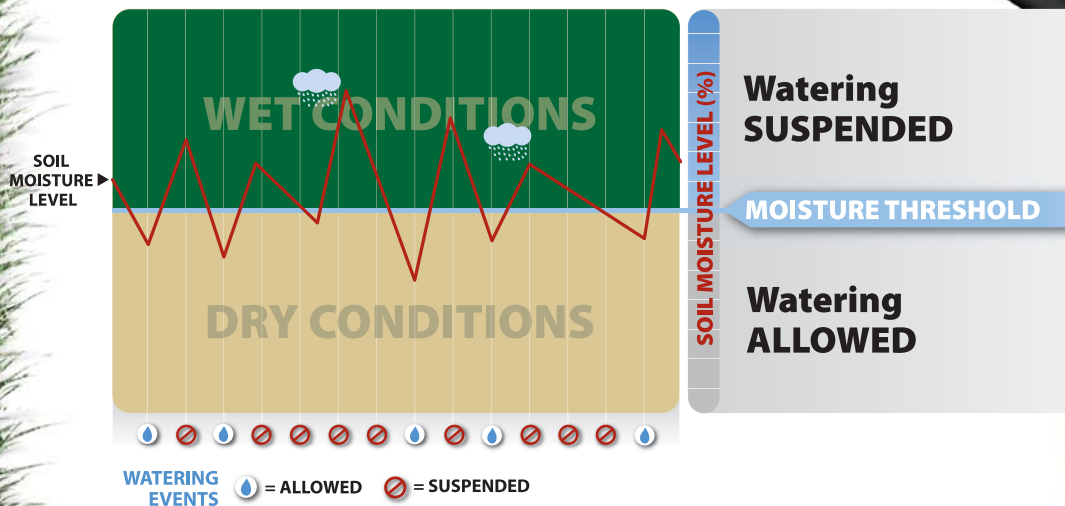
► Water savings of 40% or more

By optimizing the amount of moisture at the root zone, the SMRT-Y conserves enough water in many applications to pay for itself in less than a year. Avoiding the tendency to overwater, your customers will enjoy a healthier, lush landscape that is less prone to fungus and shallow root growth. The device eliminates needless watering and lets the soil say when watering is appropriate. Adding a soil moisture sensor allows the property owner to meet many toughening water conservation guidelines that call for “smart” watering devices.

► Advanced soil moisture sensing technology

Checking soil conditions every 10 minutes, the SMRT-Y displays moisture content, electrical conductivity and temperature of the soil, all at the touch of a button. The device also provides watering history for the last 7 irrigation cycles.

With soil moisture sensing, your customers no longer need to be concerned with adjusting the controller. Just program the controller one time to water every day that irrigation is allowed – the soil moisture sensor will do the rest.



Maintains Optimal Soil Moisture

When soil moisture is above the established threshold, the irrigation cycle is suspended. When moisture falls below that level, the regular watering cycle is allowed.

* Digital Time Domain Transmissometry (TDT) uses digital signal processing to extract absolute soil moisture content more accurately and consistently than competing moisture sensors.

Finally, a no-maintenance sensor — just bury and forget

Digital TDT™ Sensor Checks Soil Conditions Under the Surface ▼

Corrosion resistant, the digital sensor is made of high grade 304 stainless steel. This technology has been extensively tested for use in many soils and climates by independent research labs as well as by professional irrigation contractors.

Measures the soil's absolute volumetric water content

Sturdy construction ensures long-term reliability in any soil condition

Reads soil temperature and soil conductivity

Rugged case designed for years of trouble-free service

SMRT-Y Controller Interface Allows Or Suspends Watering, Displays Readings ▼

Displays the last 7 cycles of irrigation history

LCD displays moisture, temperature and electrical conductivity

Touchpad keys select displayed information

When activated, Sensor Bypass mode permits normal irrigation cycles

Instant readings for current soil conditions

Watering cycle indicator



Installation Overview

The SMRT-Y Soil Moisture Sensor Kit is an economical, simple to install add-on to residential or commercial irrigation systems — new or existing. The versatile, single-sensor system interfaces with virtually any irrigation controller. It is installed and activated in a few simple steps.



▶ Select ideal location



▶ Wire sensor to nearby valve



▶ Wire the SMRT-Y controller interface to the irrigation controller



▶ Perform the auto-set function to establish the site's unique moisture threshold



The Intelligent Use of Water.™

LEADERSHIP • EDUCATION • PARTNERSHIPS • PRODUCTS

At Rain Bird, we believe it is our responsibility to develop products and technologies that use water efficiently. And because the need to conserve water has never been greater, what better way to illustrate our commitment to finding better and more efficient methods of conserving our limited water resources than with this exciting new product – the SMRT-Y Soil Moisture Sensor.

Our commitment also extends to education, training and services for our industry and our communities. We want to do even more. And with your help, we can. Visit www.rainbird.com for more information about The Intelligent Use of Water™.

For more information on the simple installation and set-up procedure go to:

www.rainbird.com/sms



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