



## ESP-SMT Smart Control System



Proving that extra smart can also be extra simple.

# Smart Technology has reached its tipping point.



Other Smart Controllers claim simplicity and precision; the Rain Bird® ESP-SMT Smart Control System delivers. Combining the proven simplicity of the Extra Simple Programming (ESP) controller family with the accuracy of weather-based control, this innovative system is engineered to save valuable time, money and water.

The ease and speed with which you can program a site is remarkable. Simply input a few key specifics, such as zip code, allowed watering days and the plant/soil type for each zone; the ESP-SMT does the rest. Your installation time is cut dramatically. Your site's irrigation system waters only when the landscape requires it. And your customers save 30-70 percent in water.

"The ESP-SMT is very user-friendly. Everyone loves the ease of programming, from the employees who install it to the homeowners who use it."

—Clark Gomez, President,  
Gomez Landscaping, Mapleton, UT



## Now is the time

With mounting regulations and severe droughts in many regions of the country, the days when water inefficiency was overlooked are long gone. The future promises even more restrictions for the irrigation industry. But along with these challenges come opportunities. Many states and municipalities are offering valuable rebates to help make Smart Technology more profitable. (For a current list of rebates, visit [www.rainbird.com/ESP-SMT](http://www.rainbird.com/ESP-SMT))

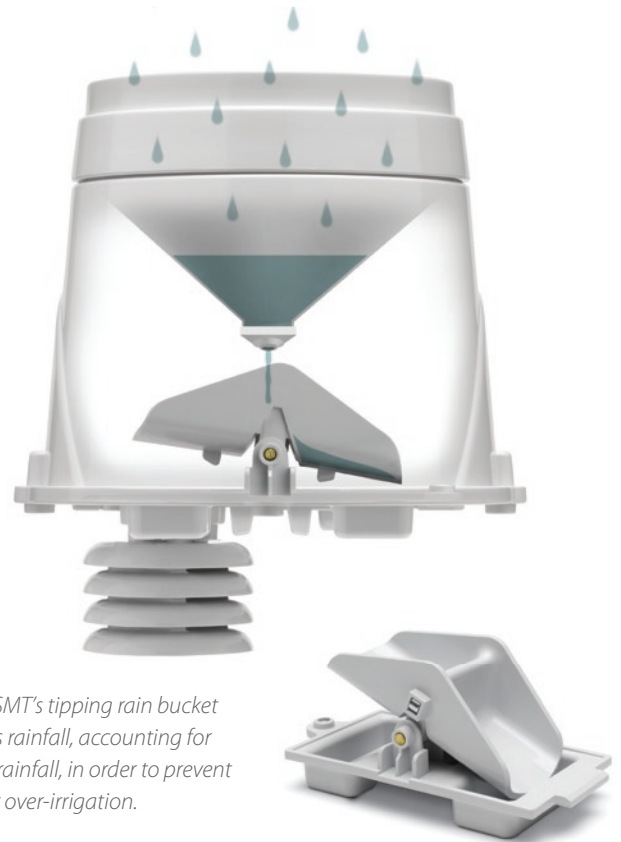
Never has the need for Smart Technology been greater. And never has Smart Technology been more accurate or marketable than with the Rain Bird ESP-SMT Smart Control System.

## The proven accuracy of weather-based scheduling

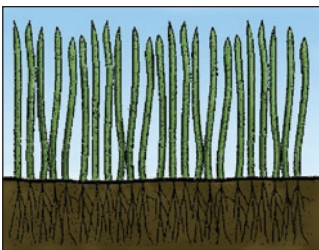
In designing the ESP-SMT, we've simply reduced the cost and complexity of the weather-based control systems we began pioneering for golf courses over 25 years ago. Drawing on the industry-leading precision of these larger, more sophisticated units, the ESP-SMT makes Rain Bird weather-based control affordable for homeowners—once and for all.

## Instant rainfall shut-off and useable measurement

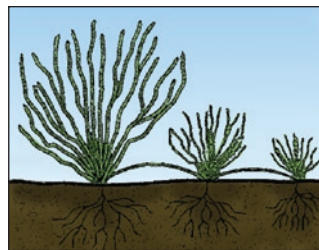
A Smart Controller should be smart enough to account for rainfall, right? Not always. In fact, most Smart Controllers simply suspend irrigation during rain events, without accurately measuring rainfall. By comparison, the ESP-SMT not only suspends irrigation, it measures instantaneous rainfall data, determining effective rainfall and calculating a net replacement value. The ESP-SMT knows exactly how much to adjust your watering schedule, preventing under- or over-watering.



*The ESP-SMT's tipping rain bucket measures rainfall, accounting for effective rainfall, in order to prevent under- or over-irrigation.*



Cool Season Grass Variety



Warm Season Grass Variety

*Basing calculations on factors such as plant type, the ESP-SMT meets the unique watering requirements of each zone in your landscape.*

## Zone-specific water calculations

Different plants have different watering requirements. That's why the ESP-SMT customizes each zone's irrigation schedule. When calculating an accurate ET value for each zone, it factors in location, soil type, landscape slope, plant type/density, sun exposure, sprinkler type and root-depth requirements. Based on this zone-specific data, the ESP-SMT controller engine optimizes the irrigation schedule to promote lush, healthy plant material in each station, while substantially reducing water waste and runoff.

# The precision of weather-based scheduling.

## Easy to install



In minutes, the ESP-SMT controller chassis and panel mount to an exterior or interior wall. For easy upgrades, the ESP-SMT panel can also be mounted to an existing ESP-Modular chassis. Installing virtually anywhere within 200 feet

of the chassis and panel, the ESP-SMT outdoor weather sensor and adjustable, heavy-duty mounting bracket are easily wired to the controller using two quick-connect terminals.



## Easy to operate

Building on the simple design of the ESP-Modular, the ESP-SMT features a familiar set-up dial and large back-lit display. Programming the ESP-SMT is fast and intuitive, thanks to easy-to-follow prompts, minimal dial positions, and English or Spanish language options. Once you've entered your general and zone-specific information, your work is done; the ESP-SMT does the scheduling for you based on weather data.



## Easy to sell

The ESP-SMT practically sells itself to homeowners. By self-adjusting to the landscape's changing water needs, it eliminates the programming errors and guesswork of a time-based system. By watering only when necessary, it passes up to a 30-70 percent water savings to your customers. And by supporting the ESP-SMT with a host of training and marketing resources, we've made the easiest choice in Smart Technology even easier.

*A full range of homeowner-facing sales materials, including yard signs, are available at [www.rainbird.com/ESP-SMT](http://www.rainbird.com/ESP-SMT)*



# The simplicity of an ESP-Modular Controller.

COLOR-CODED SET-UP POSITIONS PROMOTE EASE OF USE.

LARGE, BACK-LIT DISPLAY INCREASES READABILITY.

TEN-POSITION DIAL SIMPLIFIES PROGRAMMING.

CONVENIENT NAVIGATION BUTTONS ENABLE QUICK AND EASY PROGRAMMING.

TIME-SAVING CONTRACTOR-DEFAULT PROGRAM STORES AND RETRIEVES DESIRED SETTINGS.

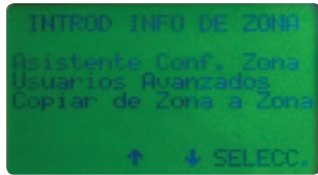
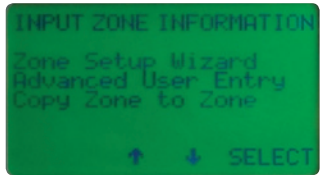
ERGONOMIC GRIP AREA ALLOWS FOR CONVENIENT REMOTE PROGRAMMING.

HOT-SWAPPABLE STATION MODULES EXPAND CONTROLLER TO 13 STATIONS.

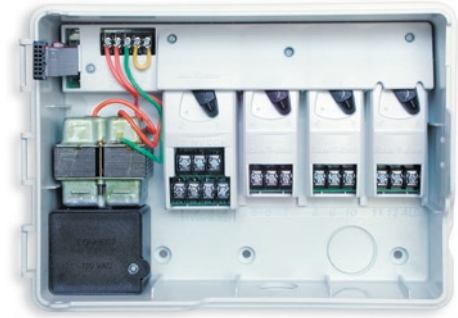
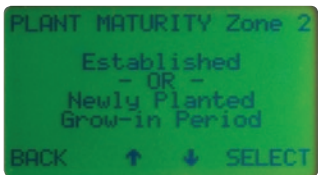
ENGLISH/SPANISH BUTTON OFFERS ONE-TOUCH SWITCHING OF DISPLAY TEXT LANGUAGE.

ENGLISH

SPANISH



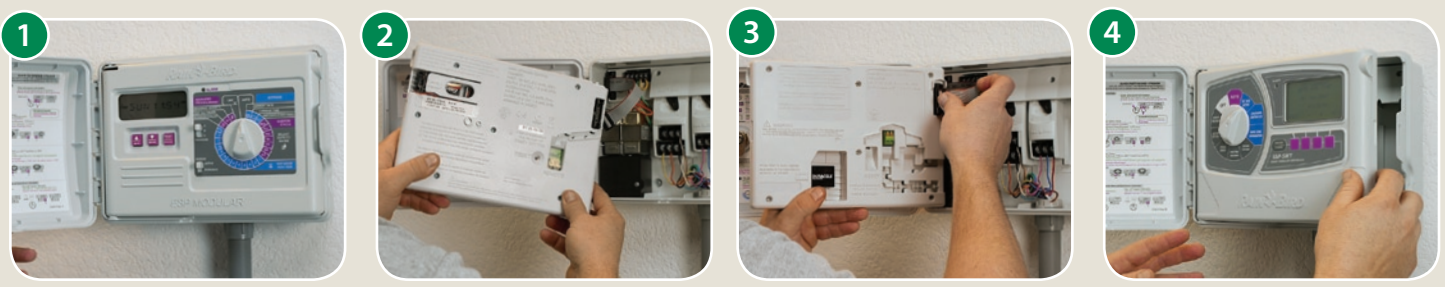
PLANT MATURITY SELECTION FEATURE ENSURES EFFECTIVE WATERING OF BOTH ESTABLISHED AND NEWLY PLANTED VEGETATION.



ESP-SMT WITH THREE ESP-SM3 STATION EXPANSION MODULES FOR A TOTAL OF 13 STATIONS.

## Controller panel fits ESP-Modular chassis for easy upgrades.

In seconds, upgrade an existing ESP-Modular to the ESP-SMT Smart Control System just by switching panels.



# Weather Sensor Features

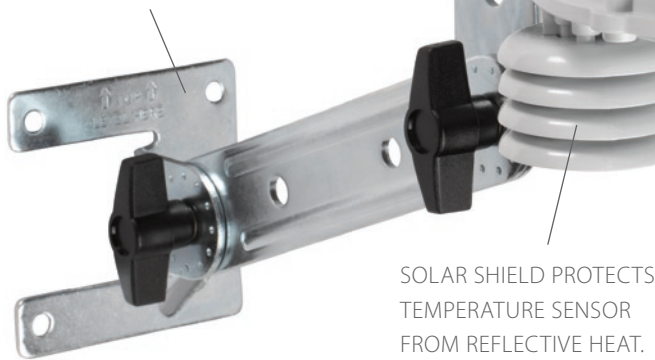


COMMUNICATION WIRE LINKS PANEL AND SENSOR VIA QUICK-CONNECT TERMINALS.

REMOVABLE DEBRIS SCREEN ENSURES ACCURATE RAINFALL MEASUREMENT.



ADJUSTABLE, HEAVY-DUTY MOUNTING BRACKET ALLOWS FOR EASY LEVELING.



SOLAR SHIELD PROTECTS TEMPERATURE SENSOR FROM REFLECTIVE HEAT.



REMOVABLE TIPPING RAIN BUCKET MEASURES EFFECTIVE RAINFALL.

EASY-TO-REMOVE TIPPING BUCKET OFFERS CONVENIENT MAINTENANCE AND CLEANING.



ADJUSTABLE MOUNTING BRACKET CAN BE INSTALLED ON A FENCE, SIDE OF HOUSE OR EVEN UNDER AN EAVE.



## MODELS

- Control System Base Models  
(includes ESP-SMT controller & weather sensor)

ESP-SMT4i – 4 station indoor\* - 120V

ESP-SMT4 – 4 station outdoor\* -120V

*\* To expand up to 13 stations, use ESP-SM3 – Three Station Expansion Modules.*

- Upgrade Model  
(includes ESP-SMT controller panel & weather sensor)

ESP-SMT-UPG – Kit to Upgrade existing ESP-Modular Controllers\*

*\* Applies to ESP-M controllers manufactured after April, 2005.*

**Note:** All ESP-SMT models come with a heavy-duty adjustable bracket and 25 feet of 18-2 wire for mounting and wiring the weather sensor.



Quickly and easily add up to nine additional stations (for a total of 13 stations) with expansion slots for three optional modules.

## DIMENSIONS

- Controller  
Width: 10.7"  
Height: 7.7"  
Depth: 4.4"
- Sensor (Largest Area Across)  
Width: 6.0"  
Length: 8.8"  
Height : 5.9" (includes Solar Shield)
- Mounting Bracket (Mounted on Vertical Surface)  
Maximum reach: 7.0"

## ELECTRICAL SPECIFICATIONS

- Input Required: 120VAC +/- 10%
- Output: 25.5VAC 1A
- Surge Protection: Primary input side has (2) built-in MOV's (metal oxide varistor) to protect circuitry. Output side has (2) built-in MOV's for each valve station.
- Power back-up: Lithium coin-cell battery maintains time and date while non-volatile memory maintains the schedule.
- Multi-valve station capacity: Up to two 24VAC, 7VA solenoid valves per station plus a master valve.



## The support you need to install, operate and market the ESP-SMT.

Rain Bird puts valuable training, resources and marketing tools at your fingertips, so you can turn the time and money savings of the ESP-SMT into real business results.

### Get Smart

Learning how to install, program and maintain the ESP-SMT is easy with a host of online and in-person educational resources, including:

- About ESP-SMT
- Specifications
- Training Workshops
- Online Training
- FAQ

### Go Smart

We'll help you spread the word about this simple and precise technology to your customers by providing you with the necessary sales tools, including:

- Upgrading an ESP-Modular
- Customizable Sales Materials
- Water Savings Calculator

### Grow Smart

Not only is the ESP-SMT the most simple and precise Smart Controller on the market; it's the most marketable. We'll help you take your business to the next level with:

- Smart Systems Guide
- Smart Sales Materials
- Local Rebates



Visit [www.rainbird.com/ESP-SMT](http://www.rainbird.com/ESP-SMT) for more on this remarkable product and our comprehensive support program.



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