ESP-SMTe Smart Control System
Now with both Simple Smart Programming and Advanced ET Watering Features

Proving that extra smart can also be extra simple.
Smart Technology has reached its tipping point.

The Rain Bird® ESP-SMTe smart control system combines the proven simplicity of the Extra Simple Programming (ESP) controller family with the accuracy of weather-based control.

To program, simply input a few key details, such as zip code, allowed watering days and the plant/soil type for each zone. Then the ESP-SMTe waters only when the landscape requires it and your customers save an estimated 30% + in water.

ESP-SMTe Operating Modes

The ESP-SMTe has two programming options, both of which make automatic watering adjustments based on input from the weather sensor.

SIMPLE SMART MODE

In Simple Smart mode, the ESP-SMTe acts like a traditional time-based controller. Watering is scheduled on specific days, with fixed start times and run times. Automatic adjustments are made to run times based on on-site weather conditions.

ADVANCED MODE

In Advanced mode, the ESP-SMTe can be set to automatically determine water needs for each zone in a landscaped area. Irrigation schedules are adjusted daily, based on each zone’s specific watering requirements. Water use is minimized, saving money while promoting overall landscape health.

“The ESP-SMTe 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
The precision of weather-based scheduling.

Rain Bird began pioneering weather-based control systems for golf courses over 25 years ago. Drawing on the legacy of this industry-leading technology, the ESP-SMTe now makes Rain Bird weather-based control affordable for all homeowners.

INSTANT RAINFALL SHUT-OFF AND USABLE MEASUREMENT

Most smart controllers simply suspend irrigation during rain, without accurately measuring rainfall amounts. By comparison, the ESP-SMTe not only suspends irrigation, it measures instantaneous rainfall data to determine your landscape’s precise irrigation requirements. The ESP-SMTe knows exactly how much to adjust your watering schedule to prevent under- or over-watering.

ZONE-SPECIFIC WATER CALCULATIONS

Location, soil type, landscape slope, plant type/density, sun exposure, sprinkler type and root-depth requirements are calculated for each separate zone. Based on this zone-specific data, the ESP-SMTe controller engine optimizes the irrigation schedule to promote lush, healthy plant material in each zone, while substantially reducing water waste and runoff.
Easy to install

The ESP-SMTe controller chassis mounts to an exterior or interior wall in minutes. You can also upgrade an existing ESP-M or ESP-Me by just switching-out the front-panel. The ESP-SMTe outdoor weather sensor and adjustable, heavy-duty mounting bracket are easily wired to the controller using two quick-connect terminals.

The ESP-SMTe controller panel fits into any existing ESP-M or ESP-Me chassis, for easy upgrades.

Easy to operate

Building on the simple design of the ESP-Me, the ESP-SMTe features a familiar set-up dial and large back-lit display. Programming the ESP-SMTe 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-SMTe does the scheduling for you based on weather data.
NEW Simple Smart Programming
To program in Simple Smart mode, select Simple Smart on the Select Programming Mode screen. This screen is available under the Advanced Controller Setup dial position or after a Factory Default reset.
In Simple Smart mode, configure the controller by entering the site zip code for your site, selecting the days to water, and entering the start times that watering will begin.
The controller then programs like a traditional time-based controller that you’re used to.

At a glance features of the ESP-SMTe Controller:

**OFF**
Cancels all irrigation

**MANUAL WATERING**
Start watering selected zones immediately

**PROGRAMMING DIAL**

**SYSTEM RESTORE**
Restore contractor and factory default settings

**SYSTEM REVIEW**
Review controller settings and logs

**FINE-TUNE WATERING**
Adjust run times by zone

**AUTO RUN**
Watering occurs automatically

**INITIAL CONTROLLER & ZONE SET-UP DIAL POSITIONS**

**ALARM LIGHT**
Illuminates when conditions prevent watering

**LARGE BACK LIT DOT-MATRIX DISPLAY**

**PROGRAMMING BUTTONS**
Press and Hold to accelerate settings

**SPECIAL FEATURES**
Block irrigation on days of special events

**REMOlELY PROGRAMMABLE**
Using 9V battery (installed inside front panel)

**ENGLISH/SPANISH BUTTON**
For easy switching of display language
Weather Sensor Features:

- **Solar Shield Protects Temperature Sensor from Reflective Heat.**
- **Adjustable, Heavy-Duty Mounting Bracket Allows for Easy Leveling.**
- **Communication Wire Links Panel and Sensor via Quick-Connect Terminals.**
- **Removable Debris Screen Ensures Accurate Rainfall Measurement.**
- **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.**

**Note:** All ESP-SMTe models come with a heavy-duty adjustable bracket and 25 feet of 18-2 non-burial wire for connection between the controller panel and the weather sensor pod.
MODELS

• **Control System Base Models**
  (includes ESP-SMTe controller & weather sensor)
  
  **ESP4SMTE** – 4 zone base module indoor* – 120V
  **ESP4SMTEI** – 4 zone base module indoor* – 120V

  * To expand up to 22 zones, use ESPSM6 – Six Zone Expansion 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 MOVs (metal oxide varistor) to protect circuitry. Output side has (2) built-in MOVs for each valve.

• **Power back-up**: Lithium coin-cell battery maintains time and date while non-volatile memory maintains the schedule.

• **Multi-valve zone capacity**: Up to two 24VAC, 7VA solenoid valves per zone plus a master valve.
At Rain Bird, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

The need to conserve water has never been greater. 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.™