

ESP-SMT Smart Control System

RAIN BIRD®

The Rain Bird® ESP-SMT Smart Control System combines the intuitiveness of Rain Bird's trusted Extra Simple Programming with the accuracy of weather-based control to help you save even more time, money and water.

Application:

The ESP-SMT Smart Control System is used for residential or light commercial applications.



Benefits:

- Proven by independent testing sources to reduce water use by 30-70% off traditional time-based systems.
- Eliminates the need for the customer to adjust irrigation schedule throughout the year.
- Allows your irrigation service company to turn the system on earlier in spring, and off later in fall, without the worry that the system will run when not needed. (When there is no threat of frost.)
- Stops watering in the rain! Sensitive rain measuring device will shut the system off with just the slightest amount of rainfall (.02 inches).
- Eliminates freezing on walkway during cold spring and fall nights.
- Reduces water run-off by allowing water to percolate into soil through a combination of cycle/soak and run-time adjustments.
- Golf course technology priced for the average homeowner.
- View the actual temperature outside via the large LCD display. Review the last week's weather information at the touch of a button.
- Maximizes your fertilizer and pesticide applications by not dissolving the granules prematurely.
- **Typically pays for itself in less than 2 years!**



COMPLETE IRRIGATION



CIS

SERVICES



ESP-SMT Smart Control System

The future of irrigation technology, TODAY!

With the demands on water resources, rising water bills, and the high cost of landscape maintenance, getting the most use out of every drop of water has never been more important.

- The ESP-SMT is a less complex version of the weather-based control systems currently used to keep golf courses in perfect condition. When installed and programmed by a trained Rain Bird specialist, it provides you with a precise, sophisticated, water-conserving yet affordable, automatic sprinkler solution.
- The ESP-SMT maximizes water efficiency by factoring in your soil type, slope, sun exposure, and plant variety, as determined by your trained irrigation technician. It then uses this information to calculate how the temperature and rainfall data from the weather station affects your system's run-times, and then adjusts them automatically!
- The ESP-SMT is the only controller that **measures** rainfall, both the amount *and* its intensity. And because it can calculate the rain's accumulation and its force, the SMT distinguishes how much of that rain is usable by your plants, and how much is wasted as run-off.
- The ESP-SMT will more accurately adjust your watering schedule than a professional golf course superintendent, preventing under or over watering. Using the on-board temperature sensor, the weather station communicates with the base controller throughout the day, relaying critical information that is used to determine and adjust your daily watering run-times.
- The ESP-SMT is the only controller available in its price range which records data within it for easy review. You can retrieve, for the previous 7 days, the actual high and low temperatures, rainfall, and the accumulated ET factors (the value derived from all the data which determines when and how much water the plants require),
- Once programmed, the system works automatically, saving you water and money every day. That is why we say, "SET AND FORGET!" Start saving your hard earned dollars today!



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

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.

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