TERMINOLOGY

- **automatic scheduling interval**: the ability to determine the next watering day when irrigation is needed versus a predetermined interval
- **connectivity**: how the controller connects to a smart device or the cloud that is accessible via a smart device: Wi-Fi, Wi-Fi plus or RF plus = additional proprietary equipment needed, cell = cellular, RF = radio frequency, HW = hard wired to a router or local area network
- **cycle and soak**: capable to determine maximum run time to prevent runoff and soak time before next irrigation event
- **developer/manufacturer**: the creator of the product
- **EPA WaterSense certified**: the controller meets the specifications for labeling as determined by the U.S. EPA WaterSense program
- **guest access**: the ability to allow third-party access for checking or modifying the irrigation program
- **home automation interface**: the product can interface with the “internet of things,” such as Amazon Alexa, Google Echo, Nest, IFTTT, API, etc.
- **operation without internet connection**: the ability to continue to irrigate if the internet connection is disrupted
- **predictive scheduling**: ability to use weather forecasts to automatically modify an irrigation schedule
- **rain data source**: indicates if the data comes from a remote or on-site source
- **rain delay**: how rain is managed by the controller to turn off and for how long of a period: auto = automatically, user conf. = user configurable, user def. = user defined
- **run time**: the programmed or calculated number of minutes for irrigation
- **sensor interface**: capability of interfacing with climatic, flow or soil moisture sensors
- **station/valve/zone**: the indicator on the controller that is controlling a specific valve or valves
- **subscription**: a user fee to maintain an ongoing service
- **unique features**: ability to control other devices that are not irrigation (i.e., lighting)
- **watering restriction**: ability to restrict days or times of irrigation
- **weather data**: indicates if the data is historical, from an on-site source or a remote weather data source
- **zone customization**: allows the user to provide detailed information such as soil type, plant type, sprinkler or drip information, sun exposure, etc. directly into the controller or app

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**SMART WATER APPLICATION TECHNOLOGIES**

**Smartphone-friendly irrigation controllers**

**MAY 2019**

**SWAT** is a collaborative effort between water providers and the irrigation industry.