



## Smart Controller 205 Specifications

### Smart Controller Features:

- **Durable, weather-resistant** aluminum enclosure with locking cabinet suitable for indoor or outdoor use.
- **Compact cabinet design** suitable for wall mounting and selected pedestal installations.
- **Capacity from 16 to 48 stations** in 8-station increments.
- **Program and schedule display for each irrigation zone.**
- **Manual operation of individual stations or all stations** from 1-255 minutes in 1-minute increments.
- **Easy-to-use keypad** for viewing programs, manual valve operation and other system functions.
- **Plug-in interface** for TRC Commander® remote and auxiliary plug-in connectors available for Rain Master® remote.
- **Standard connections** for rain sensor, booster pump, master valve, and flow sensor. Compatible with normally open or normally closed master valves, rain/freeze or wind sensors (users are notified via email when irrigation is blocked or restarted).
- **Multiple valve common inputs** for commercial applications.
- **Optional flow monitoring service** provides mainline break protection, individual station flow monitoring, and leak detection. Features include automatic shut-off in event of mainline break and email alerts for high flow, low flow, and leak conditions. Compatible with Data Industrial IR Series® flow sensors or equivalent brands.
- **Convenient panel retrofit** for upgrading select controller brands. No enclosure or valve re-wiring needed.



### ETwater Manager™ Website Features:

- **Weather-based watering schedules** with ET and rain adjustments automatically generated on a daily basis for all stations.
- **User-defined fixed watering schedules** available for any or all stations.
- **Easy step-by-step configuration process** enables system to generate customized watering schedule for each station to optimize water use and minimize runoff.
- **Reliable, daily local weather data available across the U.S.** from network of over 8,500 local weather stations monitored 24/7.
- **Easy-to-use Web interface** for all critical functions – setting water windows, choosing blocked days, and making watering adjustments.
- **Simple, intuitive navigation** provides landscape maintenance contractor with ability to access any controller at any site from single Web page.
- **User-defined water window** with option to include/exclude any station. Automatically carries over required irrigation if water window is exceeded.
- **Establishment schedules with up to 8 start times per zone** automatically revert to self-adjusting schedules after establishment period.
- **Unlimited watering interval** for weather-based schedules.
- **Water budget adjustable from 50% to 400%** in 5% increments on station-by-station basis.
- **Allowable depletion level adjustable from 15% to 50%** for any station.
- **Viewable 30-day watering history** available for all stations.
- **Automatic compliance** with fixed-interval and day-of-week municipal watering restrictions.
- **Station copy feature** to replicate settings from one station to any other station.
- **Default or user-defined precipitation rates.**
- **Default distribution uniformity** adjustable from 5% to 100% in 1% increments.
- **Default root depth** adjustable for all plant types.
- **Secure password-protected access** ensures privacy of all client information.



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### Hardware and Electrical Specifications:

- **Dimensions:** 14.5" L x 12.5" W x 4.75" D
- **Weight:** 10 pounds
- **Plug-in station output modules** available in 8-station increments up to maximum of 48 stations with minimum configuration of 16 stations.
- **Station output terminals sized for up to 12 gauge wire**
- **LCD display provides output verification** for station being irrigated.
- **Chassis-mounted grounding lug** for added lightning protection.
- **Built-in 120VAC convenience outlet** provided for optional powerline communication.
- **Dual-voltage power operation for 120 or 24 VAC.**
- **All 24V output terminals have surge protection** rated up to 4KV in accordance with IEC 6100-4-5 standard.
- **All outputs protected** by a 2.0 amp self-resetting fuse.
- **Input power draw:** 1.0 amp or less at 120 volts VAC.
- **Each station, booster pump, and master valve output terminal can handle up to two 24V solenoids.**
- **Total controller output is 2.0 amps** which can typically operate 4 solenoids, including master valve and pump relay.
- **Each controller supplied with three 1.5V batteries.**
- **Non-volatile memory retains all programming information indefinitely** in event of power outage.
- **Battery can maintain time and date for several months.**

### Optional Accessories

- **Powerline modem** enables Smart Controller to communicate with ET Water's central server using building's 110 VAC wiring and local phone service.
- **High gain, vandal resistant** external mount "pancake" antenna.

### Availability

- Local weather updates and custom irrigation schedules available to ET Water customers from more than 8,500 weather stations throughout U.S.
- ET Water local service personnel and/or distributors currently available in California, Nevada, Oregon, Idaho, Washington, Colorado, Texas and Arizona. Please check back frequently for expanded coverage.

### Communications Technologies:

- **Two-way Internet communication** for downloading ET-based schedules, reporting irrigation data, and generating alerts.
- **Communication options**
  1. Wireless
  2. Standard telephone line
  3. Powerline (through site's existing 110 VAC wiring)
- **Automatic email alerts** for notifying users of various conditions. Alerts categorized by severity level:
  1. Courtesy Service Notification
  2. Warning – Attention Recommended
  3. Urgent – Attention Required
- **Alerts sent via email** and posted on user's account page on ETwater Manager Website. Alert conditions include:
  - Any schedule changes made at controller
  - Irrigation turned off at controller
  - Loss of communication
  - Rain sensor activation and resumption of watering
  - Expiration of establishment periodsAlerts for optional Flow Monitoring Service include:
  - Shut-offs caused by possible main line breaks or major leaks
  - Low flow, high flow, no flow or unscheduled flow conditions
  - Slow leak (continuous flow over 24-hour period)
  - Incomplete flow sensor set-up

### ETwater Manager Requirements

- Active email address
- Web browser: Internet Explorer 5.0 and higher, Apple Safari 2.0, and Mozilla Firefox 2.0

### Language Options

- English

### Service Features

- Toll-free customer support
- Web-based customer support
- Installation support available through certified ET Water installer network
- Three (3) year Smart Controller warranty