

Weather Reach Receiver

Installation Checklist – ET Enabled Applications

Pre-installation / Site Evaluation

- **Soils & Plants** – Evaluate soil sample, rooting depth and irrigation system limitations. See soil chart and determine Manageable Allowable Depletion to set ET Threshold.
- **Irrigation Schedule** - Evaluate sprinkler performance & create an irrigation schedule to apply desired amount of water. Use multiple cycles to avoid run-off where applicable.
- **Common wiring** – On sites with separated turf and shrub zones, rewire as needed to provide separate common wires to lawn and shrub valves.
- **Activation** – Based on site evaluation complete the Activation Worksheet and follow outlined activation procedures.

Installation

- **Location** – Mount WR-7 in a protected location that is easily accessible. Use the WR-OE for outdoor installations.
- **Power** – Connect the power cable to a 24-volt AC power source. To benefit from the controller's fuse protection connect one lead to the "common" terminal in the controller and the other to the 24-volt "Hot" connection. Or use the optional WR-PS Weather Reach Power Supply.
- **Grounding** – Assure the device is properly grounded.
- **Field Wiring** – See wiring diagrams in the users guide. Disconnect power when making field wire connections.
- **Local Rain Gauge** – Install approved local tipping bucket rain gauge if needed.
- **Program the irrigation controller** – Enter the irrigation schedule. Set to water everyday, leave selected days OFF as needed. The Weather Reach Receiver manages the watering days.
- **First Message** – Confirm that weather data is being received by waiting until a message is received. The date and time is set when a message is received. Also go to Status / Last Broadcast to see the date and time of the last received message.
- **Time Window** – Verify the programmed Time Window in the Weather Reach Receiver corresponds to the controller programmed start times and overall watering time. Check to see that the current time on the Weather Reach Receiver is the same as the irrigation controller.
- **Test** – Use Manual Override to verify that the Weather Reach Receiver is properly suspending irrigation.
- **Confirm settings programmed during activation** – Review the activation report, verify settings.
- **Set ET Balance for A & B** – The initial setting of the ET Balance affects the first ET Enabled watering cycle. Consider the irrigation needs of the site; average daily ET, ET Threshold, the last irrigation day and estimate the desired day for the next ET Enabled watering. To assure watering will occur at the next scheduled start time set the ET Balance higher than the ET Threshold. As long as the Time Window is currently closed then the irrigation suspended light will go off.
- **Users Guide and Cue Card** – Install the cue card and provide the users guide to the operator.

Site Visit & Follow-up

Schedule a follow-up site visit. The first visit should be in a few days and after the first ET Enabled irrigation event has occurred. Complete the Installation Follow-up report. Make additional periodic visits to inspect the landscape and evaluate the results programmed settings. Make adjustments to the irrigation controller program, Weather Reach Receiver settings or the irrigation system to respond to the needs of the landscape.

- **Dry Spots** – Evaluate sprinkler coverage.
- **Dry or over-watered zones** - Adjust valve run-time, in some cases the ET Threshold may be changed.
- **Dry or over-watered site** – Evaluate ET Threshold settings. (The lower the threshold the higher the frequency.)

Consider the relationship between station run-time and the ET Threshold settings. Station run-time should be set to cause the sprinklers to apply the amount of water programmed as the ET Threshold. Continue to monitor the system.