WeatherTRAk Cloud Advanced Flow

SMART IRRIGATION JUST GOT SMARTER

In today’s world of irrigation an ever increasing number of sites are faced with the challenge of managing restrictive water windows due to drought mandates, agency restrictions or simply to ensure watering occurs during off-hours. The broad implementation of high efficiency sprinklers, drip irrigation and other new technologies compounds the challenge even further due to the increased run time requirements to deliver the proper amount of water that landscapes require. The combination of these new irrigation delivery methods coupled with shrinking water windows presents water managers with a constant struggle to reliably maintain optimal plant health while minimizing labor time.

WeatherTRAk Cloud Advanced Flow (part of the WeatherTRAk Central service) is a simple solution that makes managing water windows a breeze. Cloud Advanced Flow enables all of your controllers to share information in the cloud using WeatherTRAk’s built in cellular radios. Each controller is then given daily instructions for optimizing how, when and where watering takes place inside of your water windows. By utilizing your site’s maximum water flow potential and keeping things running as close to capacity as possible, water is delivered where it’s needed within the time available. Users define their own water windows, station priorities and flow groups and WeatherTRAk Cloud Advanced Flow does the rest. In addition, faults and issues are detected in real time to minimize disruption, expense and waste.

WITH CLOUD ADVANCED FLOW YOU’LL:

• Reduce your water window times by automatically maximizing flow rates across your site.
• Improve plant health by ensuring proper watering is optimized even during hot weather spikes.
• Save valuable time and man-hours with reliable automated water window management.
• Stay in compliance and optimize irrigation run times to best fit within restrictive water windows.
• Improve water efficiency using high-efficiency sprinkler technology while effectively maintaining a smaller water window.
• Reduce energy costs by decreasing irrigation pump run times.

Cloud Advanced Flow enables all controllers throughout a site to share flow information and work together via WeatherTRAk Cloud
WEATHERTRAK
CLOUD ADVANCED FLOW FEATURES

Easy to install and configure
• No local radio or phone-based communication infrastructure to install, configure or manage
• Flexible and intuitive hydraulic tree configuration
• Multiple controllers share single or multiple points of connection and mainlines
• Able to manage up to 1,000 station per mainline
• Create unlimited flow zones in any configuration
• Support for sub-flow zones
• Flexible flow programming including station irrigation order prioritization, assign programs to flow zones, and program stacking
• EPA WaterSense-approved scheduling engine
• Supports Normally-Open or Normally-Closed master valves

Central and remote management
• Manage from a browser, anywhere
• Mobile application for in-field maintenance duties
• Controller software updates occur automatically from the cloud

Intuitive to use
• Interactive, adaptive graphical user interface
• Automatic full site daily flow rate and electrical optimization based on irrigation pipe infrastructure
• Flexible irrigation scheduling options

More efficient site management
• Higher pump efficiency
• Measure flow, develop baseline and measure progress against metrics

Optimized scheduling and prioritization
• Complete site-based flow optimization based on user-defined maximum gallons per minute
• Station-level prioritization

Fault and issue detection
• Mainline break detection and shutdown
• Station-specific high flow detection and station shutdown
• Station-specific low flow detection
• No-flow detection
• Advanced Leak detection with smart non-irrigation shutdown

Advanced reporting
• Site measured usage report: daily total usage by water source, mainline and point of connection for single or multiple controllers
• Water budget reports: tracks water budget actuals to targets for accounts and sites
• Plant type and sprinkler type estimated usage to highlights conservation opportunities
• Controller runtime analysis report: duration each station runs by year, month, day and minute
• Site configuration report: controller setting currently or on any date
• Site configuration change history report: controller setting change history. Shows user name, exact changes made and date and time made

PREREQUISITES
• Works with all models of WeatherTRAK ET Pro3 or ET Pro3 2-wire controllers
• Requires an active WeatherTRAK.Central Service Subscription

NEW REPORTS AVAILABLE WITH CLOUD ADVANCED FLOW

Site Measured Usage Report
Provides water usage per mainline troubleshooting, monitoring water budgets, and historical trending of actual water usage.

Controller Runtime Analysis Report
Now showing runtime down to the minute per controller.

Site Configuration Change History Report
Provides the ability to track all programming changes made to a site for a selected data range.

Site Configuration Report
Provides a detailed list of a site’s settings for a selected date.

Learn more at hydropoint.com or call 800-362-8774