

Tech Sheet

Flow Management for Multi-Controller Sites



The only way to share a flow sensor and master valve between multiple WeatherTRAK controllers in a single, easy-to-install device.

APPLICATIONS

New Installations with Multiple Controllers

Multiple Existing Controllers

System Expansions

Single Point of Connection

Easy Installation Providing Powerful Results

Seamless Integration

- Simple all-in-one installation for control of master valve and flow sensor
- Waterproof design allows for more installation location options
- Daisy chain units to connect three or more controllers

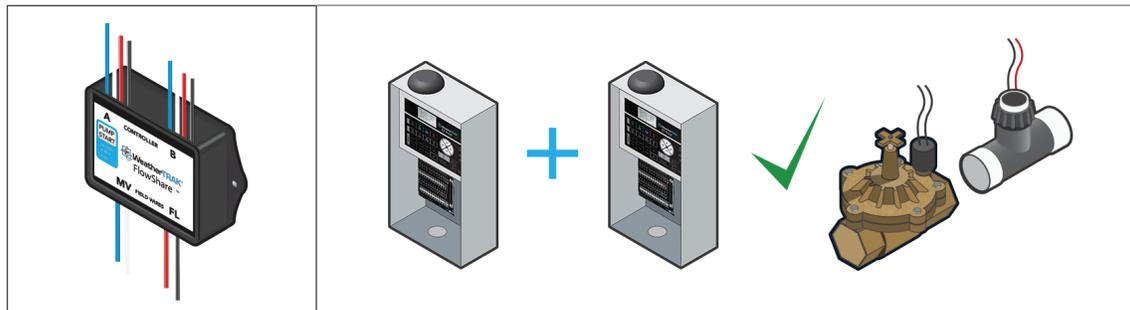
Accurate Measurement and Protection

- Real-time flow sensing provides accurate measurement of the system's water use
- Intelligent mainline control, via the master valve, prevents catastrophic water loss
- User defined high and low flow thresholds available for each station

Full Flow Visibility with WeatherTRAK Central™ - more on reverse side

- 20+ report options, including water usage and budget management
- Flow alerts sent via email and/or text enables fast reaction times
- Online visibility to alerts that have not been addressed

EXAMPLE



WeatherTRAK FlowShare

WeatherTRAK Controllers

Master Valve & Flow Sensor

Learn more online at HydroPoint.com/Flow or call 1 (800) 362-8774 x142 to schedule a demo.



Overview

- Flow management benefits on multiple controllers using a flow sensor and master valve
- Ability to daisy chain FlowShare units to connect three or more controllers
- Built-in support for master valve control
- Supports normally open or normally closed master valves
- Compatible with WeatherTRAK valve test
- Compatible with WeatherTRAK FlowLink™

Models and Specifications

Operational Range

Does not restrict flow sensor or master valve distance limit

Electrical

Supports 24 VAC input and output
Master Valve current limit: 2 Amps

Communication

Operates over existing standard irrigation station wire
Flow pulses in real-time

Environmental

Operating Temperature: -5°C to 60°C
Storage : -10°C to 70°C
Field Transceivers: operate submerged under water

Controller Compatibility

WeatherTRAK ET Pro2™, ET Pro2 Smart Water Manager, ET Pro3™ and LC™ Controllers

Flow Sensor Compatibility

WeatherTRAK Flow3 and FlowHD
Data Industrial IR220 series
CST flow sensor models
Netafim

Master Valve Compatibility

Normally Open (requires use of pump station output)
Normally Closed

Shipping Package

Size: 6" x 4" x 3"
Weight: 0.5lb.

Limitations

The controllers cannot overlap their irrigation water windows
Controllers must have a 1 minute guard between water windows

| MODEL | PRODUCT DESCRIPTION |
|-----------|---|
| WTFS - ST | Enables more than one WeatherTRAK controller to share a single Flow Sensor and Master Valve |

WeatherTRAK® Central™ Flow Features

General Flow Monitoring

- Multi-user access via secure login with access levels
- Monitor five flow functions independently from one another: controller high flow, also known as catastrophic mainline break failure; station high flow; station no flow; leak detection; and extended leak management
- User defined threshold flow values for each function independently
- User defined delay time from 1 to 6 minutes in 1-minute increments
- Flow threshold in 1 GPM increments up to 35 GPM and 5 GPM increments up to 995 GPM
- Instant remote shut-off / event pause
- Alerts dashboard and detail with drill-down interface
- Smart alert and email notification

Mainline Break Management

- Ability to monitor, fault and turn off all running stations and test to determine true mainline breaks
- Support for normally open and normally closed master valves

Learned Flow

- User can configure any, or all, stations to be learned
- Learned flow operation information stored
- Historical values available in the controller change history tracking report

Station Flow Management

- Station high flow threshold can be set independently by user, or globally as a % above learned flow rates
- User override of any individual station assigned flow rates or station high flow thresholds
- Automatic fault of currently running stations when high flow is exceeded or below the no flow rate threshold
- Scheduled irrigation stops when 3 stations in a row have a no flow alert
- Any station may be excluded from station no flow monitoring

Leak Detection

- Leak detection notification indicates when a station is not running a scheduled or manual irrigation event, and the system flow rate exceeds the leak threshold
- Extended leak management enables lower leak detection thresholds while eliminating false alarms

Flow Operating Status

- Viewable real-time actual system flow rate and operating stations
- Includes manual operating stations as if the user was in front of the controller

Flow Reporting

- Settings change history – station, program, and flow specific
- Actual and estimated usage by site, controller, and station
- Automatic daily, or on demand, upload of flow and runtime data to WeatherTRAK Central™
- Flow reports for single or multiple controllers across a customized date range
- Categorize usage by scheduled, manual and other irrigation to quickly determine the impact of manual irrigation or other unauthorized usage