

*Automatically
shuts down
irrigation system
if an overflow
condition occurs*



Flow-Clik Interface Panel



Flow-Clik Sensor and Body

The hazards of an over-flow situation know no economic boundaries. A high flow and the damage that can occur could just as easily take place on a simple residential system as it could on a top-of-the-line commercial system comprised of institutional-grade components. That's why Hunter has developed the Flow-Clik, an economical way to monitor and shut off the flow of any system—existing or new, large or small. A ruptured pipe or broken sprinkler that is left undetected can result in a substantial amount of damage. Plants and groundcover can be flooded, a slope can be eroded,

even solid surfaces such as sidewalks or driveways can be undercut. The installation of a Flow-Clik will ensure that such a break will be identified before any damage can occur. The Flow-Clik is user-set to activate at a specified level of flow; once that level is exceeded, the electrical circuit is broken and the valves are shut off. As a result, the amount of water loss in the event of high external leakage would be substantially reduced. For liability reduction, erosion prevention, and an easy means of water conservation, there is no better low cost solution than the Flow-Clik.

Features & Benefits



Reduced costs for rupture-related repairs

Unanticipated budget allocations kept to a minimum

Weatherproof interface panel provides system status

"Overflow watchdog" provides constant update for any system

Compatible with all commercial and residential piping systems

Large flow range provides complete flexibility

Customized calibration for precise system control

Every irrigation system is set individually with a single push button

Multi-color LED provides system status

Displays if power is applied and whether flow is acceptable



Put an end to flow emergencies forever! To bring flow sensing to standard Hunter controllers or to the IMMS™ Central Control, simply add the Flow-Clik flow sensor with the appropriate FCT sensor bodies for your installation's piping.

Models

FLOW-CLIK - Includes sensor and interface panel, works with all standard 24 volt controllers (order FCT sensor bodies separately)

FLOW-CLIK-IMMS - Sensor (interface panel not required), for IMMS™ central control (order FCT sensor bodies separately)

FCT 100 - 1" Schedule 40 Sensor Body

FCT 150 - 1/2" Schedule 40 Sensor Body

FCT 158 - 1 1/2" Schedule 80 Sensor Body

FCT 200 - 2" Schedule 40 Sensor Body

FCT 208 - 2" Schedule 80 Sensor Body

FCT 300 - 3" Schedule 40 Sensor Body

FCT 308 - 3" Schedule 80 Sensor Body

FCT 400 - 4" Schedule 40 Sensor Body

Dimensions

Flow-Clik Sensor Body:

FCT 100 - 4.8" H x 2.3" W x 4.5" L

FCT 150 - 5.4" H x 2.3" W x 4.6" L

FCT 158 - 5.4" H x 2.3" W x 5.1" L

FCT 200 - 5.9" H x 2.7" W x 4.7" L

FCT 208 - 6.0" H x 2.9" W x 5.4" L

FCT 300 - 7.0" H x 4.0" W x 6.2" L

FCT 308 - 7.0" H x 4.2" W x 6.4" L

FCT 400 - 6.5" H x 5" W x 6.5" L

Interface Panel: 4.5" H x 5.5" W x 1.5" D
(Not required for Flow-Clik IMMS)

Operating Specifications

- Temperature: 0-150 degrees F
- Pressures: up to 200 PSI
- Humidity: up to 100%

Flow-Clik Interface Panel

- 36" leads provided for easy wiring to controller (2 wires to controller 24VAC terminals and 2 wires to sensor and terminals)

Electrical Specifications

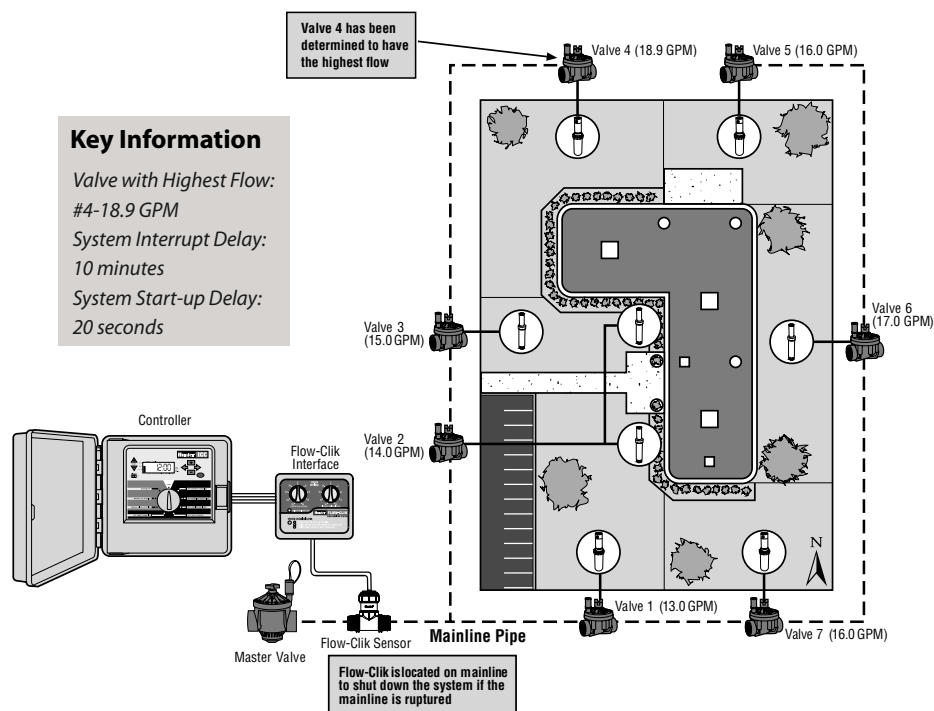
- Current draw: @24VAC .025 Amps
- Switching current: 2.0 Amps
- Maximum distance between interface panel and sensor = 1000 ft. (18 gauge minimum wire size)
2 wires required for Flow-Clik Sensor, 4 wires required for Flow-Clik IMMS Sensor to IMMS Interface

Additional features

- Programmable start up delay (0 to 300 Seconds)
- Programmable interrupt period (2 to 60 Minutes)
- System status indicator light
- One button system calibration to highest flow zone

How Flow-Clik Works: An Example

At a small commercial site, the Flow-Clik sensor is connected to the mainline pipe that provides water to the system control valves. The user determines which valve has the highest flow rate and calibrates the flow sensor to automatically identify any flow in excess of this pre-determined amount, in this case, 21 gallons per minute (GPM) to be a "high flow" condition. The user also sets the desired setting for the system interrupt and start-up delay. If flow should exceed 21 GPM, a signal would be sent to the controller to interrupt the system for a prescribed period of time.



Lateral Line Break: If a break should occur on zone #3, the Flow-Clik would sense a "high flow" condition (>21 GPM) and would shut down the system for the prescribed interrupt period.

Mainline Rupture: The Flow-Clik would identify a "high flow" condition approximately 20 seconds after the first valve is activated based on the irrigation schedule and the master valve would shut down.

FLOW RANGE			
FLOW SENSOR DIAMETER	OPERATING RANGE (GPM)		
	MINIMUM*	SUGGESTED MAXIMUM**	MAXIMUM (for sensor)
1"	6	17	50
1 1/2"	13	35	100
2"	20	55	200
3"	40	120	300
4"	60	200	400

* Minimum recommended flow for the highest flow zone for your system.

** Good design practice dictates the maximum flow not to exceed 5ft/sec. Suggested maximum flow is based upon Class 200 IPS plastic pipe.

Note: Highest flow zone within irrigation system should not be more than 75% maximum available system flow.

SPECIFICATION GUIDE

EXAMPLE: **FLOW-CLIK**

MODEL	FEATURES
FLOW-CLIK	= Standard Version for all 24VAC Controllers (includes sensor and interface panel)
FLOW-CLIK IMMS	= Version for use with IMMS Central Control (includes sensor only-interface panel not required for IMMS™)
FCT	100 = 1" Schedule 40 Sensor Body 150 = 1/2" Schedule 40 Sensor Body 158 = 1 1/2" Schedule 80 Sensor Body 200 = 2" Schedule 40 Sensor Body 208 = 2" Schedule 80 Sensor Body 300 = 3" Schedule 40 Sensor Body 308 = 3" Schedule 80 Sensor Body 400 = 4" Schedule 40 Sensor Body

Note: Order Flow-Clik Sensor Bodies separately (FCT series).