

# Technical Specifications

## RFS RAIN FREEZE SENSOR

### FEATURES

- Easily installs in minutes in any ProLine® or SmartLine® controller with the SLHUB
- Rain shut-off settable from 1/8 – 3/4” (3 – 19mm)
- Extended rain delay adds time to rain events before deficits begin to accumulate
- Rain events decrement current deficits in the SmartLine® controller
- Freeze shut-off activated at 37°F (3.0°C)
- Unit can be mounted in sunlight or shade and in close proximity to the roofline
- On-board diagnostics indicate battery and communication status
- Remote battery strength measurement from the ProLine® or SmartLine® controller
- Rain and Freeze data is used to create powerful reporting when connected to the SmartLink™ Network
- RFS1 – Includes 35 feet of cable. Maximum run distance for shielded cable wired units is 200 feet
- RFS5 – Maximum wireless distance from controller to weather station is 1,500 feet line of sight.

### CONSTRUCTION

- Protective white solar shields allow normal air flow while protecting sensor from direct sunlight for accurate temperature readings and eliminating the need for regular cleaning and maintenance of the weather station
- Adjustable arm aluminum bracket for gutter thumb screw or wall mounting

### ELECTRICAL SPECIFICATIONS

- RFS1 – No power/batteries required
- RFS5 – (2) AAA Lithium Batteries – 10-year battery life



SmartLine Weather Station	
Model	Description
RFS1	Wired Rain/Freeze Sensor
RFS5	900MHz Wireless Rain/Freeze Sensor

## ***Technical Specifications***

### **RFS RAIN FREEZE SENSOR**

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SENSOR(S) shall be model RFS1 manufactured by Weathermatic Sprinkler Division of Telsco Industries. Rain/Freeze Sensor must be compatible for use with ProLine and SmartLine irrigation controls.

CONSTRUCTION: Rain/Freeze Sensor shall be wired in design using bi-directional communication. Rain/Freeze Sensor shall have integrated on-site sensors for rain-shut off and freeze shut-off. Rain/Freeze Sensor shall have an integral mounting bracket with a two-point articulating arm made from aluminum. Rain/Freeze Sensor shall be suitable for outdoor mounting in commercial or residential environments. Rain/Freeze Sensor shall be capable of two-way communications with the ProLine and SmartLine controls and have independent power supply, self-diagnostic circuit and microprocessor.

OPERATION: Rain/Freeze Sensor rain sensor shall be adjustable to interrupt irrigation after a user selected precipitation amount of 1/8th", 1/4", 1/2" or 3/4". Rain/Freeze Sensor shall be capable of interrupting irrigation after temperatures reach below 37 degrees Fahrenheit. Rain/Freeze Sensor shall provide instant notification to the controller of either a rain or freeze event and upon clearing of the same.

WARRANTY: Rain/Freeze Sensor shall have a manufacturer's limited warranty of two (2) years.

SENSOR(S) shall be model RFS5 manufactured by Weathermatic Sprinkler Division of Telsco Industries. Rain/Freeze Sensor must be compatible for use with ProLine and SmartLine irrigation controls.

CONSTRUCTION: Rain/Freeze Sensor shall be 900 MHz wireless in design using bi-directional communication. Rain/Freeze Sensor shall have integrated on-site sensors for rain-shut off and freeze shut-off. Rain/Freeze Sensor shall have an integral mounting bracket with a two-point articulating arm made from aluminum. Rain/Freeze Sensor shall be suitable for outdoor mounting in commercial or residential environments. Rain/Freeze Sensor shall be capable of two-way communications with the ProLine and SmartLine controls and have independent power supply, self-diagnostic circuit and microprocessor.

OPERATION: Rain/Freeze Sensor rain sensor shall be adjustable to interrupt irrigation after a user selected precipitation amount of 1/8th", 1/4", 1/2" or 3/4". Rain/Freeze Sensor shall be capable of interrupting irrigation after temperatures reach below 37 degrees Fahrenheit. Rain/Freeze Sensor shall provide instant notification to the controller of either a rain or freeze event and upon clearing of the same.

WARRANTY: Rain/Freeze Sensor shall have a manufacturer's limited warranty of two (2) years.