

# **RAINSENSOR™** SERIES RAIN AND FREEZE SENSORS

**WIRED/WIRELESS**

**T**aking water management to the next level, Irritrol's proven RainSensor™ Series makes watering in the rain a mistake of the past. The reliable wireless and wired rain sensors conserve water by preventing irrigation during or after sufficient rainfall, while the wireless rain/freeze sensor also helps reduce vegetation damage and icing conditions when the temperature drops below a predetermined set point. With its compact design and host of convenient features, the RainSensor Series is the perfect compliment to any standard controller.

## KEY FEATURES & BENEFITS

### **WIRELESS MODELS**

Require less labor for the installer

### **CONSTANT COMMUNICATION BETWEEN TRANSMITTER AND RECEIVER**

Assures that even after a controller power outage, the controller is continually updated with the sensor's "wet" or "dry" status

### **VERSATILE MOUNTING OPTIONS**

Requires no special tools – Quick-Clip™ gutter bracket and ½" conduit adapter included

### **SIGNAL STRENGTH INDICATOR**

Ensures correct installation, communication link and signal integrity (wireless models)

### **SMART BYPASS™ FOR EASY SYSTEM OVERRIDE**

Allows for temporary deactivation while automatically resetting on next activation (wireless models)

### **FULLY ADJUSTABLE SHUTOFF POINTS**

From 1/8" to 3/4" of accumulated rainfall

### **DRY-OUT RATE ADJUSTMENT FOR RESET DELAY**

Allows for setting the ideal dryout time

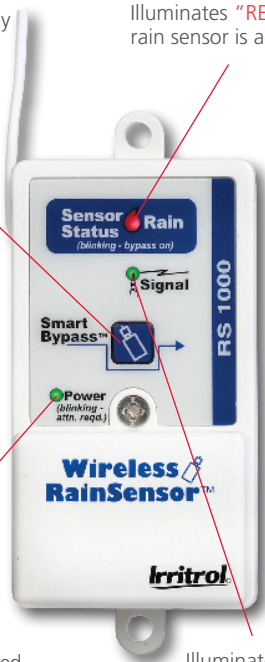
### **PATENTED WIRELESS TECHNOLOGY**

Unsurpassed by the competition

## SUPERIOR PATENTED WIRELESS TECHNOLOGY

Press once to temporarily deactivate rain sensor; automatically resets on next activation

Illuminates "RED" when the rain sensor is activated



Blinking light alerts user when attention is required, e.g., need batteries replaced, no communication

Illuminates "GREEN" to ensure a good signal

## SPECIFYING INFORMATION

MODEL	CONNECTION
RS - Rain Sensor	500 - Wired
RFS - Rain/Freeze Sensor	1000 - Wireless

Example: A wireless rain/freeze sensor = **RFS1000**

## ADDED FEATURES

### RS1000/RFS1000

- Compatible with nearly all controllers
- Visual sensor status and alert indicators verify consistent operation
- Slide/snap-on cover provides additional protection to weather-proof receiver from the elements
- Power failure memory protection
- Three-year warranty

### RFS1000

- Rain and freeze sensors fully integrated into one unit
- Highly accurate 41°F digital activation point

### RS500

- Compatible with virtually all controllers
- 25-foot cable (UV-resistant, white jacket included) provides installation flexibility
- Easy, tool-free conversion to normally open operation
- Five-year warranty

## OPERATING SPECIFICATIONS

- Sensor type: industry-standard hygroscopic discs
- Rain sensitivity: adjustable nominal 1/8" to 3/4"
- Operating temperature: -20°F to 120°F
- Housing material: UV-resistant engineered polymer
- Wireless only features:
  - Transmission range: over 300 feet line-of-sight
  - Frequency: 418 MHz
  - Battery: Two CR2032 3V cells, 5-year life (typical)

## ELECTRICAL SPECIFICATIONS

- Receiver power: 22-28 V ac/V dc, 100mA (to be used with Class 2, UL-approved transformer)
- Load rating: normally open or normally closed — 3A @ 24 V ac
- UL Listed, FCC, CE, IC

## MODELS

Model	Description
RS1000	Wireless rain sensor
RFS1000	Wireless rain/freeze sensor
RS500	Wired rain sensor

## DIMENSIONS

- **Transmitter:** H: 1 1/2", W: 1 3/4", D: 3 3/4"
- **Receiver:** H: 1 1/2", W: 1", D: 3"

## OPTIONAL ACCESSORIES

- RS1000-RX rain receiver for multiple controllers
- RFS1000-RX rain/freeze receiver for multiple controllers
- RSCAP cap/disk/spindle assembly
- RSBATT-TX battery pack (includes 2 batteries)

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