

RAINSENSOR™ SERIES RAIN AND FREEZE SENSORS

WIRED/WIRELESS SENSORS



SENSORS THAT MAKE THE MOST SENSE.

Taking water conservation 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. With its compact design and host of convenient features, the RainSensor Series rain and rain/freeze sensors are designed to suspend irrigation during rainfall or when the temperature drops below a predetermined set point (rain/freeze sensor only). All sensors are easy to install and work with virtually any AC-powered automatic irrigation system. This popular accessory has adjustable shutoff points from 1/8" to 3/4" of accumulated rainfall and offers a transmission range of more than 300 feet (wireless models), providing a variety of installation options. Irritrol. Get more done.

KEY FEATURES & BENEFITS

WIRELESS MODELS

Require less labor for the installer

CONSTANT COMMUNICATION

BETWEEN TRANSMITTER & 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 1/2" 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" (3-19mm) of accumulated rainfall

DRY-OUT RATE ADJUSTMENT FOR RESET DELAY

Allows for setting the ideal dryout time

PATENTED WIRELESS TECHNOLOGY

Unsurpassed by the competition

ADDED FEATURES

RS1000/RFS1000

- Compatible with nearly all controllers
- Over 300-foot (91,4m) line-of-sight transmission range offers virtually limitless installation options
- 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
- Easy, tool-free battery replacement
- Five-year battery life (typical)
- Three-year warranty

RFS1000

- Rain and freeze sensors fully integrated into one unit
- Highly accurate 41°F (5°C) digital activation point

RS500

- Compatible with virtually all controllers
- 25-foot (7,6m) 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" (3-19mm)
- Operating temperature: -20°F to 120°F (-29°C to 49°C)
- Housing material: UV-resistant engineered polymer
- Wireless only features:
 - Transmission range: over 300 feet (91,4m) line of sight
 - Battery: Two CR2032 3V cells, 5-year life (typical)

ELECTRICAL SPECIFICATIONS

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

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)

SPECIFYING INFORMATION

MODEL	SENSOR TYPE	CONNECTION
RS1000	RAIN	WIRELESS
RFS1000	RAIN/FREEZE	WIRELESS
RS500	RAIN	WIRED

DIMENSIONS

	Transmitter	Receiver
H	1 1/2" (3,8cm)	1 1/2" (3,8cm)
W	1 3/4" (4,4cm)	1" (2,5cm)
D	3 3/4" (9,5cm)	3" (7,6mm)



RS1000