

SENSORS

The Virtualrain line of rain sensors provides the user with the most effective and flexible way to prevent sprinklers from coming on during or after precipitation. Disks absorb water and expand proportionally to the amount of rainfall. The moisture-laden disks expand and eventually activate a switch that interrupts the circuit from the controller to the valves. When dry, the disks contract and release the switch. There's no better way to ensure that a system isn't watering.

Virtualrain offers four different models to provide the user with the most cost effective way to reduce water waste. The wireless model offers the added value of saving installation time. Simply install the receiver unit next to the controller, and then install the transmitter anywhere that the device can receive representative rainfall.

No ladders needed, no messy wires to hide out of view. What sets a Virtualrain wireless rain sensor apart is a solar cell that continually recharges the transmitter batteries.



Models

VRRS-100	Gutter, wall or conduit mount rain sensor
VRRS-200	Gutter, wall or conduit mount rain and freeze sensor

Dimensions

Height: 4.75" (12cm)
Length: 1.5" (3,8cm)

Operating Specifications

Materials: ABS with UV inhibitors
Working Temperature: 10°C to 60°C (14°F to 140°F)
Operating Humidity: 20% to 80%, 90% non-condensing
Freeze Activation Temperature: 3°C or 37°F
AC Supply: 24 to 26 VAC
UL listed

Features and Benefits

- Easily installs on any irrigation system.
- All models include wall, gutter, and conduit mount options.
- 30' of connection wire included.
- VRRS-200 shuts off during rainfall and at freezing temperatures.
- Vent ring allows for adjustment of reset delay.
- Adjustable to 1/8", 1/4", 1/2", 3/4", 1" rainfall settings.
- Disks absorb water to activate rain switch.
- For use with all types of 24Volt controllers.



Virtualrain SENSORS



VRRS - 300



VRRS - 400



Features and Benefits

- All models can be adjusted to be activated by rain, freeze, or rain and freeze.
- Transmits or receives wireless signal from up to 200 feet away.
- Installs on any system in minutes, no stringing of wiring.
- Vent ring allows for adjustment of reset delay.
- LED alerts for low battery, active sensor, and sensor override.
- Adjustable to 1/8", 1/4", 1/2", 3/4", 1" rainfall settings.
- Disks absorb water to activate rain switch.
- VRRS-400 includes solar cell to continually recharge batteries, extends battery life up to 10 years.
- For use with all types of 24Volt controllers.

Models

VRRS-300	Wireless rain and freeze sensor
VRRS-400	Wireless rain and freeze sensor with solar trickle charge

Dimensions

Transmitter:	
Height	4.5" (11,4cm)
Length	3.25" (8,3cm)
Receiver:	
Height	3.5" (8,9cm)
Width	2.5" (6,3cm)

Operating Specifications

Materials: ABS with UV inhibitors
 Working Temperature: 10°C to 60°C (14°F to 140°F)
 Operating Humidity: 20% to 80%, 90% non-condensing
 Freeze Activation Temperature: 3°C or 37°F
 AC Supply: 24 to 26 VAC
 UL listed



Specification Guide

Example: VRRS - 100

Model	Features
VRRS 100	Gutter, wall or conduit mount rain sensor
200	Gutter, wall or conduit mount rain, freeze sensor
300	Wireless rain and freeze sensor
400	Wireless rain and freeze sensor with solar