

Wireless RainSensor™

- Rain or Rain/Freeze Sensor
- 500' Range



No wires. No hassle. Just reliable rain sensing that provides optimum water savings. Toro® innovative wireless technology provides easy to use, advanced features for prompt reaction when it starts to rain. With options for rain or rain/freeze sensing, the TWRS Series can save up to 30% more water than existing disc rain sensors. The patent pending Water Conservation Mode™ turns the RainSensor into a “smart sensor” by allowing the receiver to intelligently extend the controller reset based on settings provided by the user. All sensors can be set for universally Normal Open or Normally Closed operation making the TWRS compatible with just about all electronic timers.

Features & Benefits

Selectable Water Management Modes

Delay resumption of irrigation by intelligently extending beyond mechanical reset time – can save up to 30%* more water.

Smart Bypass™

Allows for system override at any time and resets automatically.

Rain/Freeze Combination

Features digital programmable accuracy – a first in the industry – The Freeze shutoff can be set from 35° F to 45°F in 2° increments.

LCD Display – A First In Wireless Rain Sensors

Provides informative system feedback including outside temperature, and transmitter signal strength and battery life.



Specifications

Model Description

- TWRS Wireless Rain Sensor
- TWRFS Wireless Rain/Freeze Sensor

Dimensions

- Transmitter: 1 ¾" W x 3 ½" H x 1 ¾" D
- Receiver: 2" W x 4" H x 1 ¾" D
- Weight: 0.78 lbs. (product and carton)

Electrical Specifications

- Transmitter Power: Two replaceable lithium cells (CR2032-3V)
- Receiver Power Source: 22-28 VAC/VDC, 100mA (from existing timer or optional transformer)
- Relay contacts output: Normally opened or normally closed; 3A @ 24VAC
- FCC, IC, AVA, UL, CUL, CE and C-tick approved

Specifications and Features

- Operating temperature: -20° F to 120° F
- Housing material: Weather and UV resistant engineered polymer
- Transmitting range: up to 500' (line of sight) with adjustable antenna
- Sensor: maintenance free hygroscopic disks; adjustable rain sensitivity (1/8" to ¾")
- Low battery indicator
- Signal strength indicator/scale
- Rain delay feature that works intelligently with the rain sensor (unlike most controller-based rain delays)
- Fail-safe modes in the event of loss of communications or failed sensor
- Real-time outside temperature displayed on the LCD (TWRFS only)
- Five year easy to replace, standard coin batteries
- Versatile mounting options – one-piece Quick-Clip™ gutter bracket or ½" conduit adapter
- Can control multiple receivers/controllers with one sensor transmitter

Warranty

- Five-years

Specifying Information

Model	Description
TWRS	Toro Wireless RainSensor
TWRFS	Toro Wireless Rain/Freeze Sensor

First LCD In A Wireless Rainsensor



No Guesswork For Ease Of Use

- Simple programming
- Signal strength indicator
- Battery life indicator
- Temperature Indication (Rain/Freeze model)

Water Management Highlight



Water Conservation Modes

Selectable water conservation modes delay resumption of irrigation by intelligently extending beyond mechanical reset time and can save you up to 30%* more water.

* Savings vary based on sensor setting, watering schedule and other conditions.

Wired RainSensor™

- Wired Sensor
- Normally Open or Normally Closed

When it rains sometimes all you need is a simple sensor that ensures the job gets done. With multiple set-points for adjustable rain sensitivity and maintenance-free sensing disks, Toro's TRS provides the reliability required. The Quick-Clip™ gutter bracket needs no special tools for installation. It really is that simple.

Features & Benefits

Compatible With All Toro And Other Manufacturers Controllers

Universal Normally Open and Normally Closed operation for compatibility with all controllers that are designed to accept a sensor device.

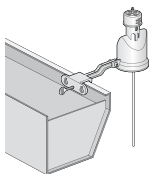
Maintenance Free Hygroscopic Discs

Industry standard sensing discs with adjustable rain shut-off indexes at 1/8", 1/4", 1/2" and 3/4" of rain.

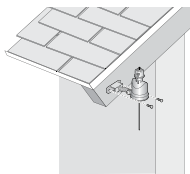
25 Feet Of UV-Resistant Cable

Includes 25 feet of white outdoor-rated, UV-resistant cable.

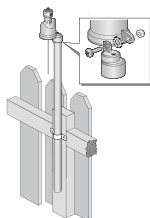
Three Mounting Options



Quick Clip gutter bracket



Wall mount



Conduit adapter bracket



Specifications

Model Description

- TRS Wired Rain Sensor

Dimensions

- Transmitter: 1 3/4" W x 3 1/2" H x 1 3/4" D
- Weight: 0.80 lbs. (product and carton)

Specifications and Features

- Relay contacts output, normally open or normally closed: 3A, 24 VAC
- Operating temperature: -20° F to 120° F
- Low profile design and UV-resistant housing for sensor
- No special tools required for installation

Warranty

- Two-years

Specifying Information

Model	Description
TRS	Toro Wired RainSensor

