

TORO. Count on it.

Wireless RainSensor™

Controllers

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.



Wired RainSensor™

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 Manufacturer's Controllers

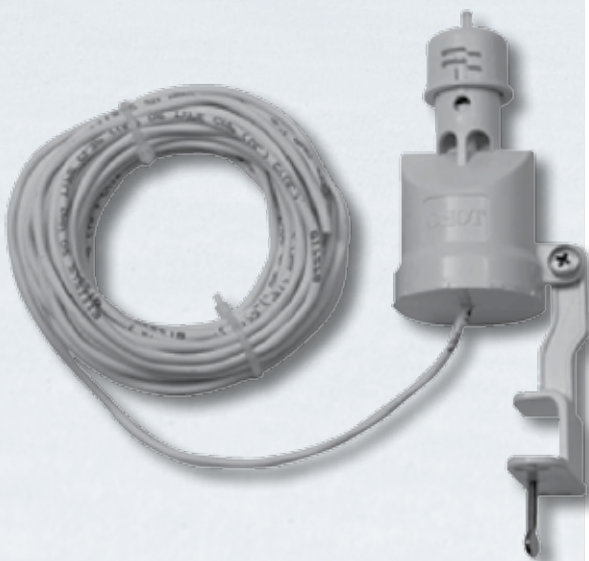
Universal Normally Open and Normally Closed operation for compatibility with all controllers that are designed to accept a sensor device.

Maintenance Free Hygroscopic Discs

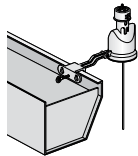
Industry standard sensing discs with adjustable rain shut-off indexes at 1/8", 1/4", 1/2" and 3/4" of rain.

25 Feet Of UV-Resistant Cable

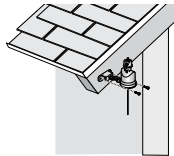
Includes 25 feet of white outdoor-rated, UV-resistant cable.



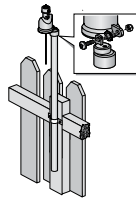
Three Mounting Options



Quick Clip gutter bracket



Wall mount



Conduit adapter

Specifications-Wireless RainSensor

Model Description

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

Dimensions

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

Warranty

- Five years

Additional 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 3/4")
- 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 1/2" conduit adapter
- Can control multiple receivers/controllers with one sensor transmitter

Specifying Information

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

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.

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)

Specifications-Wired RainSensor

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 |

