

Application

A reliable wireless rain sensor system suitable for use with most irrigation controllers to help conserve water by sensing rain events. The patent pending Water Conservation Mode™ helps to save even more water by extending the controller reset beyond where conventional rain sensors reset.

Features

- Normally Open or Normally Closed
Either sensor can be set for either normally open or normally closed making them compatible with almost all electronic timers.
- Selectable Water Management Modes
Delay resumption of irrigation by intelligently extending beyond the mechanical reset time and save water.
- Smart Bypass™
Allows the sensor to be overridden and resets automatically. Handy for irrigating special need zones.
- LCD Display
Provides informative system feedback including outside temperature, transmitter signal strength and battery life.
- Rain/Freeze Combination
Features digital programmable accuracy. The freeze shut-off can be set from 2°C to 7°C. (Note, the Freeze sensor should not be used to control frost control systems.)
- Wireless Sensor
Ease of installation and suits retro-fits.

Dimensions

- Transmitter
44mm W x 89mm H x 44mm D
- Receiver
50mm W x 102mm H x 44mm D
- Weight (product and carton) 0.35 kg

Specifications

- Operating temperature
-29° C to 49° C.
- Housing material
Weather and UV resistant engineered polymer
- Transmitting range
Up to 150m (line of sight) with adjustable antenna
- Sensor
Maintenance free hygroscopic discs; adjustable rain sensitivity (3.2mm to 19mm)
- Low battery Indicator
- Signal Strength indicator/scale
- Rain delay
Feature that works intelligently with the rain sensor.
- Fail safe Mode
For loss of communication or failed sensor events.
- Real time outside temperature displayed on the LCD (TWRFs only)
- Easy to replace, standard coin batteries (5 year lifetime)
- Versatile mounting bracket
One piece Quick-Clip™ gutter bracket or 15mm (1/2") conduit adaptor.
- Can control multiple receivers/controllers with one sensor transmitter.
- Warranty: 5 years

Electrical Specifications

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

Ordering Information

Code	Description
TWRS	Toro Wireless Rainsensor
TWRFs	Toro Wireless Rain/Freeze Sensor



No guesswork for ease of use

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



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.