



# Sentinel<sup>®</sup> SS1 - 4 Series Controllers

The SS1-4 Series front-entry stainless steel Sentinel controllers are a more robust alternative for customers looking for larger commercial-grade enclosures. The unique “double door” option allows for conventional wired configurations over 48 stations using exclusive wireless output board technology.

The controller's large backlit graphical display, shortcut buttons for frequently-used functions, as well as integrated UHF radio and Ethernet communication make it easy to install and program. The controller can also be upgraded to operate with wireless soil sensors, continually measuring moisture and adjusting irrigation as needed. A variety of other communication options and upgrades are also available to provide maximum flexibility to meet any system's needs.

## Specifications

### Dimensions

- SS1 small single-door: 18" W x 36" H x 12" D (457 x 914 x 305mm)
- SS2 small double-door: 18" W x 36" H x 24" D (457 x 914 x 610mm)
- SS3 large single-door: 24" W x 36" H x 12" D (610 x 914 x 305mm)
- SS4 large double-door: 24" x 36" x 24" D (610 x 914 x 610mm)
- Weight:
  - SS1 small single-door: 79 lbs (35,8 kg)
  - SS2 small double-door: 124 lbs (56,2 kg)
  - SS3 large single-door: 99 lbs (44,9 kg)
  - SS4 large double-door: 149 lbs (67,6 kg)

### Electrical Specifications

- Input power:
  - 120 VAC, 60 Hz
- Station output power:
  - 24 VAC
  - 1.0 amps per station maximum
  - 2.0 amps total load
- Surge protection: 24 V output boards, 20 KV @ 10 KVA

### Specifications and Features

- Programmable as standalone or with Sentinel central software
- 14-gauge steel construction
- Up to 5 mile line-of-sight radio range
- Wireless output board option for 60-96 station configurations
- 16 programs



Model shown: SBW48SS3PU

- Eight start times per program
- 6-week scheduling calendar
- Station runtimes from one minute to 4 hours and 15 minutes
- Global adjustment from 0-255%
- Flow sensor and handheld remote ready
- Add-on option for wireless soil sensing
- Two sensor inputs included for rain sensors or other switch sensors
- Current monitor will disable a station if excessive amp draw is detected
- Non-volatile memory will retain all programming and real-time data for 10 years
- Multi-language display: English, Spanish, French, and Italian
- Operating temperature: 14° to 140°F (-10° to 60°C)

### Additional Options

- TWRS, TWRFS, TRS RainSensors™
- TFS series flow sensors
- SHHR – Hand Held Remote
- TPS-RX – Toro Pro Series Soil Sensor wireless receiver
- TPS-SS – Toro Pro Series Soil Sensor

### Warranty

- Five years

Configuration	Station Count		Enclosure	Communication
SB X	XX		SS X P	U
SB – conventional wired	12—12-station	60—60-station	1 – small single-door pedestal (12-48 stations)	U – UHF radio
SBW – short-range wireless	24—24-station	72—72-station	2 – small double-door pedestal (60-96 stations)	
	36—36-station	84—84-station	3 – large single-door pedestal (12-48 stations)	
	48—48-station	96—96-station	4 – large single-door pedestal (60-96 stations)	

**Example:** A conventional 24-station Sentinel controller in a small single-door stainless pedestal enclosure with UHF communication would be specified as: SB24SS1PU