



SPECIFICATIONS

Operational

- Up to 204 stations
- Operates Valves with DC-Latching Solenoids
- 16 programs, eight start times per program
- 6-week or 365-day scheduling calendar
- Station runtimes from one minute to 4 hours and 15 minutes
- Global adjustment from 0-255%
- Handheld remote ready
- Two sensor inputs included for rain sensors or other switch sensors
- Multi-language display: English, Spanish, French and Italian
- Operating Temperature: 14° to 140° F

Electrical (AC Models)

- Input power:
 - 120 VAC (60 Hz)
- Output power:
 - Up to 2 standard solenoids per station
 - Up to 4 standard solenoids per decoder
 - Up to 8 simultaneous standard solenoids per system
- Two-wire path wiring (jacketed, twisted pair):
 - 14 AWG: 5,000 ft max, 10,000 looped
 - 12 AWG: to 8,000 ft max, 16,000 looped
- Decoder-to-solenoid wiring:
 - 14 AWG: 150 ft max

Electrical (DC Models)

- Input power:
 - 120 VAC or 220/240 VAC (50/60 Hz)
- Output power:
 - Up to 2 DC solenoids per station
 - Up to 16 simultaneous DC solenoids
- Two-wire path wiring (jacketed, twisted pair):
 - 14 AWG: 15,000 ft max
 - 16 AWG to 8,450 ft max
- Decoder-to-solenoid wiring:
 - 14 AWG: 400 ft max

Dimensions

- Small wall-mount: 14" W x 13" H x 6" D
- Stainless steel wall-mount: 17 1/8" W x 30 3/4" H x 8 5/8" D
- Stainless steel pedestal-mount: 17 1/8" W x 34 1/2" H x 8 5/8" D
- Plastic pedestal-mount: 17" W x 40" H x 16" D
- Weight:
 - Small metal wall-mount: 21 lbs
 - Stainless steel wall-mount: 47 lbs
 - Stainless steel pedestal-mount: 64 lbs
 - Plastic Pedestal: 60 lbs

Optional Accessories

- TRS – Wired RainSensor
- TWRS/TWRFS – Wireless RainSensor or Wireless Rain/Freeze Sensor
- TFS – Flow Sensors
- SHHR – Handheld Remote
- TPS-RX – Toro Pro Series™ Soil Sensor Receiver Base Station Module for Sentinel Satellite Connectivity
- TPS-SS – Toro Pro Series Soil Sensor

Warranty

- Five years

Easy to install and expand – a highly cost-effective field controller for large central control installations. Using a two-wire path to communicate to decoders, the Sentinel Two-Wire controller eliminates high costs associated with traditional valve wiring.



Remote Ready



Flow Sensor Compatible



Soil Sensing Option

AC SENTINEL TWO-WIRE STATION DECODERS*

Model	Description
SB-DAC-1	1-station AC decoder
SB-DAC-2	2-station AC decoder
SB-DAC-4	4-station AC decoder
SB-BLA	AC in-line surge protection

*Decoders only compatible with new "SBA" Sentinel controller models.

DC SENTINEL TWO-WIRE STATION DECODERS

Model	Description
SB-DDC-1	1-station with integrated surge protection (Operates up to two DC)
SB-DDC-2	2-station with integrated surge protection (Operates up to four DC)
SB-DDC-4	4-station with integrated surge protection (Operates up to eight DC)
SB-TWD-ISP	Sentinel two wire DC inline surge protection

Specifying Information-Sentinel 2-Wire Controller

SBX-XXX-U		
Configuration	Station Count	Enclosure
SBX	XXX	U
SBA – Sentinel AC Decoder Controller	WS1—Powder-coated Wall-mount (Medium) AC Only WS2—Powder-coated Wall-mount (Medium) DC Only WS5—Stainless Steel Wall-mount (Large) PP1—Plastic Pedestal-mount (Large) PS1—Stainless Steel Pedestal-mount (Large)	U – UHF Radio
SBD – Sentinel DC Decoder (two-wire) Controller		

Example: A Sentinel DC two-wire controller in a medium powder-coated wall-mount enclosure with UHF communication would be specified as: **SBDWS2PU**

Refer to page 99 for enclosure compatibility.