Sentinel® Two-Wire Controllers

- **Up to 204 Stations**
- **Remote Ready**
- **Flow Sensor Ready**
- **Two Wire Decoders**

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.

Stainless Steel Pedestal

Plastic Pedestal

Stainless Steel Wall Mount

Small Metal Wall Mount

Remote Ready

Flow Sensor Compatible

Sentinel 2-Wire Controller Model List

Model	Description
ESBTW204	Two-Wire Sentinel Satellite
Two-Wire Station Decoders	
Model	Description
DEC-ISP-1	1-station w/ integrated surge protection (Operates up to two solenoids)
DEC-ISP-2	2-station w/ integrated surge protection (Operates up to four solenoids)

Specifications

Dimensions

- Small wall-mount:
  14" W x 13" H X 6" D (355 x 330 x 152mm)
- Stainless steel wall-mount:
  17 1/8" W x 30 ¾" H x 8 5/8" D (435 x 781 x 219mm)
- Stainless steel pedestal-mount:
  17 1/8" W x 34 ½" H x 8 5/8" D (435 x 876 x 219mm)
- Plastic Pedestal-mount:
  17" W x 40" H x 16" D (432 x 106 x 406mm)
- Weight:
  - Small Metal Wall-mount: 21 lbs (9,5 kg)
  - Stainless steel wall-mount: 47 lbs (21,3 kg)
  - Stainless steel pedestal-mount: 64 lbs (29,0 kg)
  - Plastic Pedestal: 60 lbs (27,2 kg)

Electrical Specifications

- Input power: 120 VAC or 220/240 VAC (50/60 Hz)
- Station output power: Up to 38 VAC maximum; 3 amps maximum output
- Wiring two-wire path: Jacketed, twisted pair 14 AWG to 15,000 ft (4572 m)
- Wiring two-wire path: Jacketed, twisted pair 16 AWG to 8,450 ft (2575 m)
- Wiring decoder to solenoid: Jacketed, twisted pair 14 AWG to 400 ft (122 m)

Specifications and Features

- 204 station capability
- 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 (-10°C to 60°C)

Optional Accessories

- TRS – Wired RainSensor
- TWRS/TWRFS – Wireless RainSensor or Wireless Rain/Freeze Sensor
- TFS – Flow Sensors
- SHHR - Hand Held Remote

Warranty

- Five years

Specifying Information—Sentinel Two-Wire Controllers

ESB-TW-204-/XXXX-XXX/TDC-XXX-ATX

Configuration		Stations	Power	Commuications	Enclosure	Antenna
ESB	**TW**	**204**	**/XXXX**	**XXX/TDC**	**XXX**	**ATX**
ESB—EICON Special Build	TW—Sentinel Two Wire Controller	204—204 Stations	Blank—120 VAC, 60 Hz /2250—220 VAC, 50 Hz	U2/TDC—Narroband 450-470 MHz Radio GSM/TDC—No Radio (GSM Modem capable)	WS5—Small Painted Cabinet PS1—Stainless Steel Pedestal PP2—Plastic Pedestal, Sandstone	ATX—Stub Antenna

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