

## SBT 3000 Series Digital Wireless TalkBack Clock (V2.8)



### Features

- Available with 2.5" (6.35 cm) digits or 4.0" (10.16 cm) digits; 4 digit display or 6 digit display
- Multiple power options
  - Offered in 24 Volt, 110 VAC, and 230 VAC models
- 12 or 24 hour display
- Red display standard; Optional White, Green, or Amber displays
- Immediate correction for time change
- Microprocessor based clock
- Adjustable bright LED display (high, medium, low, off)
- Three models (3100, 3200, and 3300) with additional capabilities for higher models
- Receives time correction wirelessly
  - Internal Antenna
- FCC Compliant per FCC part 15 Section 15,247

### Highlights

- Reports to the Master Clock using Sapling's TalkBack protocol
  - Display status
  - Signal Strength
- Each clock acts as a repeater for the time data signal
- 900 MHz frequency hopping technology to ensure signal reliability
  - No FCC or special operating license required
- Receives time correction once every minute
- Programmable brightness levels
- Ten year battery backup for internal real time clock and clock settings
- The clock features time loss notification by flashing the colon

Specification sheets may change without prior notice

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- “BELL” and “FirE” messaging capabilities
- Capable of receiving pre-scheduled countdown command from the SMA Master Clock (optional SMA function)
- Alternating time/date display in U.S. format (MM:DD:YY)
- Designed and Produced by Sapling Inc. in Pennsylvania, United States of America

### Additional 3200 Model Highlights

- Capable of interfacing with:
  - Sapling’s Elapsed Timer Control Panel (SBD-ELT-001-0)
  - Temperature Sensor (SBD-TEMP-000-0)
  - USB Programming Cable (D-USB485-INTF-1)
- Alternating time/date display in international date format (DD:MM:YY) set using USB Programming Cable
- Brightness scheduling capabilities
- Can also receive Sapling RS485 protocol

### Additional 3300 Model Highlights

- Easy programming with two front push buttons
- Can interface with a third party system via a contact closure such as nurse call system that can automatically trigger the elapsed timer
- Can interface with a Sapling Buzzer accessory (A-BUZZ-3300-1) when the Sapling Elapsed Timer reaches 00:00:00
- Can interface with 3 wire sync protocols

### Specifications

#### Case Material:

Reinforced Acrylonitrile Butadiene Styrene (ABS)

#### Case Color:

Black back case with a metallic gray front rim  
(custom colors available)

#### Mounting:

Wall, Flag Mount or Double Mount

#### Brightness:

3100: Two levels, adjustable

3200/3300: Four levels, adjustable

#### Bezel Size (LxW):

2.5", 4 digit clock: 4.69" (11.91 cm) x 10.31" (26.19 cm)

2.5", 6 digit clock: 4.69" (11.91 cm) x 13.56" (34.44 cm)

4.0", 4 digit clock: 6.75" (17.15 cm) x 13.31" (33.8 cm)

4.0", 6 digit clock: 6.75" (17.15 cm) x 18.31" (46.5 cm)

#### Shipping Weight (Surface Mount):

2.5", 4 digit clock: 3lbs. (1.36kg)

2.5", 6 digit clock: 3.5lbs. (1.58kg)

4.0", 4 digit clock: 4 lbs. (1.81kg)

4.0", 6 digit clock: 4.5" (2.04kg)

## SBT 3000 Series Digital Wireless TalkBack Clock (V2.8)

### Temperature Range

Operating: 32°F - 122°F (0°C - 50°C)

Shelf: 5°F - 167°F (-15°C - 75°C)

### Operating Frequency:

915-928 MHz frequency-hopping technology

### Compliance:

UL and cUL listed; FCC

### Receiver Sensitivity:

-103 dBm

### Transmitter Power Output:

8 dBm

### Voltage Input:

2.5" clock: 11-28V (24 Volt Model)

85-130 VAC (115 Volt Model)

180-260 VAC (230 Volt Model)

4.0" clock: 16-28V (24 Volt Model)

100-130 VAC (115 Volt Model)

200-260 VAC (230 Volt Model)

### Average VAC Current Consumption (Maximum Brightness for Red Display):

2.5" (6.35 cm) 4 and 6 Digit Clock:

124 mA @ 24 VAC

30 mA @ 115 VAC

20 mA @ 230 VAC

4.0" (10.16 cm) 4 and 6 Digit Clock:

182 mA @ 24 VAC

45 mA @ 115 VAC

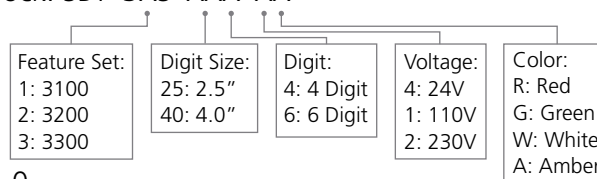
30 mA @ 230 VAC

### Average VDC Current Consumption (Maximum Brightness):

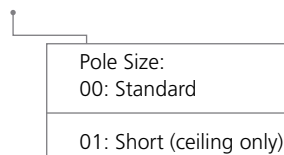
	Red Display (Standard)	Amber Display	Green Display	White Display
Digital, 2.5" 4 digit	89 mA	105.8 mA	127.6 mA	127.5 mA
Digital, 2.5" 6 digit	121 mA	113.71 mA	155.42 mA	155.12 mA
Digital, 4.0" 4 digit	138 mA	139.87 mA	186.2 mA	189.9 mA
Digital, 4.0" 6 digit	183 mA	158.53 mA	229.74 mA	230.51 mA

### Ordering Information:

SBT 3000 Series Wireless Digital Clock: SBT-3XS-XXX-XX



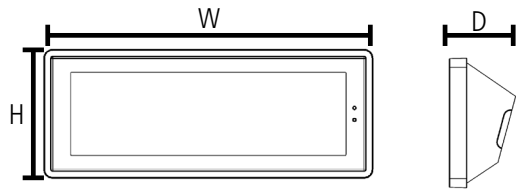
Double Mount Pole: SAB-1BD-XXS-0



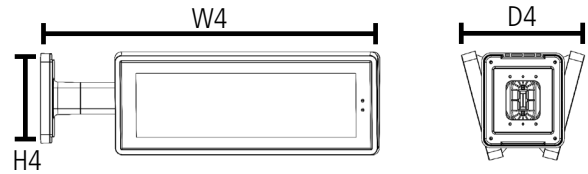
**Note:** Purchasing double mounted digital clocks will require two clocks using the clock part number and one double mount pole using the part number above. Flag mounted digital clocks will require one clock using the clock part number and one double mount pole using the part number above.

# SBT 3000 Series Digital Wireless TalkBack Clock (V2.8)

## Surface Mount

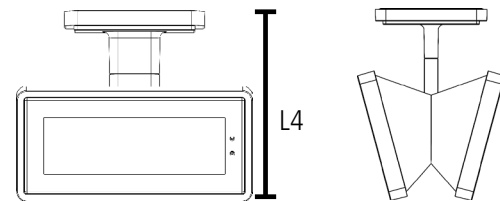


## Wall Double Mount\*



\*Available with standard pole length

## Ceiling Double Mount\*



\*Available with standard or shortened pole length

	<b>4 Digits 2.5" (6.35cm)</b>	<b>4 Digits 4.0" (10.16cm)</b>	<b>6 Digits 2.5" (6.35cm)</b>	<b>6 Digits 4.0" (10.16cm)</b>
<b>Surface Mount:</b>	W = 11.06" (28.09cm) H = 5.38" (13.67cm) D = 4.06" (10.31cm)	W = 14.13" (35.89cm) H = 7.56" (19.20cm) D = 4.38" (11.61cm)	W = 14.44" (36.68cm) H = 5.38" (13.67cm) D = 4.06" (10.31cm)	W = 19.25" (48.90cm) H = 7.56" (19.20cm) D = 4.38" (11.61cm)
<b>Double Mount:</b>	H4 = 6.56" (16.67cm) D4 = 8.09" (20.54cm)	H4 = 6.56" (16.67cm) D4 = 8.63" (21.92cm)	H4 = 6.56" (16.67cm) D4 = 8.09" (20.54cm)	H4 = 6.56" (16.67cm) D4 = 8.63" (21.92cm)
<b>Overall Width at positions on standard pole: (SAB-1BD-00S-0)</b>	W4 = 18.95" (48.13cm) = 17.30" (43.94cm) = 15.66" (39.78cm)	W4 = 20.47" (51.99cm) = 18.83" (47.83cm) = 17.18" (43.63cm)	W4 = 20.63" (52.40cm) = 18.98" (48.21cm) = 17.34" (44.04cm)	W4 = 24.69" (62.71cm) = 23.05" (58.55cm) = 21.41" (54.38cm)
<b>Overall Length for standard pole:*</b> (SAB-1BD-00S-0)	L4 = 14.75" (37.47cm)	L4 = 15.75" (40.01cm)	L4 = 14.75" (37.47cm)	L4 = 15.75" (40.01cm)
<b>Overall Length for shortened pole:**</b> (SAB-1BD-01S-0)	L4 = 8.68" (22.03cm)	L4 = 10.13" (25.72cm)	L4 = 8.68" (22.03cm)	L4 = 10.13" (25.72cm)
<b>Visibility (Max Brightness):</b>	150 feet (45.72 meters)	250 feet (76.20 meters)	150 feet (45.72 meters)	250 feet (76.20 meters)

\*Standard pole refers to part number SAB-1BD-00S-0

\*\*Shortened pole (ceiling mount only) refers to part number SAB-1BD-01S-0