

## SBW 3000 Series Digital WiFi Clock (V1.6)



### 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
- FCC Compliant per FCC part 15 Section 15,247

### Highlights

- Built-in web interface - each clock has a built in web interface allowing the user to set, control, and monitor the Wi-Fi clock
  - Settings include: Network settings, NTP server selection, UTC/GMT offset selection (-5 default), automatic Daylight Saving Time adjustments (US default), and much more!
- Receives time data from one of five pre-programmed third party NTP servers (user changeable) for added reliability and redundancy. Alternatively, it can be set to receive the time data from an in-house NTP Server or from any Sapling Master Clock model.
- Built-in self-diagnostics for:
  - NTP Synchronization Timeouts
  - Power resets
- Direct-connect mode allows users to configure the clock wirelessly before connecting it to a Wireless Network
- Adjustable synchronization rate
  - Locally powered: 5 minutes default. 0.25/0.5/1/4/12/24 hours adjustable.
- Programmable brightness levels
- Ten year battery backup for internal real time clock and clock settings

Specification sheets may change without prior notice

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- The clock features time loss notification by flashing the colon
- “BELL” and “FirE” messaging capabilities
- Alternating time/date display
- 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-TEMPT-000-0)

### Additional 3300 Model Highlights

- 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

### 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:**

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)

**Data Protocols:**

NTP, SNTP

**Routing Protocols:**

IPv4

**Compatible Wi-Fi Communication Protocols:**

802.11 b/g/n (2.4GHz only)

**Compatible Security Protocols:**

WEP, WPA/WPA2, PEAPv0 (MSCHAPv2),  
EAP-FAST, LEAP

**Temperature Range**

Operating: 32°F - 122°F (0°C - 50°C)

Shelf: 5°F - 167°F (-15°C - 75°C)

**Compliance:**

UL and cUL listed; FCC

## SBW 3000 Series Digital WiFi Clock (V1.6)

### 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

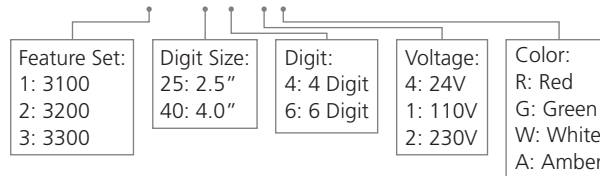
30 mA @ 230 VAC

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

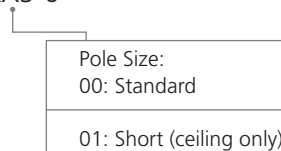
	Red Display (Standard)	Amber Display	Green Display	White Display
Digital, 2.5" 4 digit	89 mA	105.8 mA	127.6 mA	127.5 mA
Digital, 2.5" 6 digit	121 mA	113.71 mA	155.42 mA	155.12 mA
Digital, 4.0" 4 digit	138 mA	139.87 mA	186.2 mA	189.9 mA
Digital, 4.0" 6 digit	183 mA	158.53 mA	229.74 mA	230.51 mA

### Ordering Information:

SBW 3000 Series Wi-Fi Digital Clock: SBW-3XS-XXX-XX



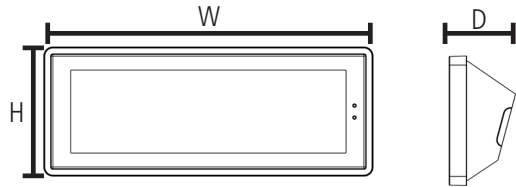
Double Mount Pole: SAB-1BD-XXS-0



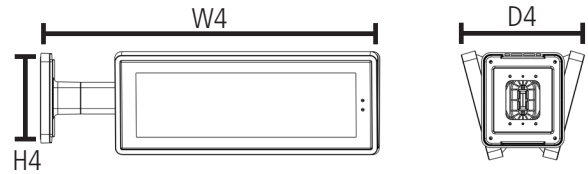
**Note:** Purchasing double mounted digital clocks will require two clocks using the clock part number and one double mount pole using the part number above. Flag mounted digital clocks will require one clock using the clock part number and one double mount pole using the part number above.

# SBW 3000 Series Digital WiFi Clock (V1.6)

## Surface Mount

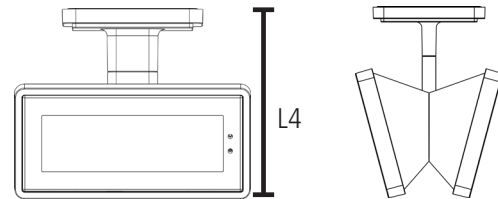


## Wall Double Mount\*



\*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>
Surface Mount:	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)
Double Mount:	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)
Overall Width at positions on standard pole: (SAB-1BD-00S-0)	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)
Overall Length for standard pole: * (SAB-1BD-00S-0)	L4 = 14.75" (37.47cm)	L4 = 15.75" (40.01cm)	L4 = 14.75" (37.47cm)	L4 = 15.75" (40.01cm)
Overall Length for shortened pole: ** (SAB-1BD-01S-0)	L4 = 8.68" (22.03cm)	L4 = 10.13" (25.72cm)	L4 = 8.68" (22.03cm)	L4 = 10.13" (25.72cm)
Visibility (Max Brightness):	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