

SAT Series Wireless TalkBack 900MHz Square Clock (V5.9)

Features:

- Available in 9" (22.8cm), and 12" (30.4 cm) dial sizes
- Offered in a stylish ABS case
- Multiple power options
 - Offered in 24/110VAC, 230VAC, and battery-powered models
- Provided with mounting hardware for easy installation
- Hour, minute, and second hands
- Quick correction for time change (max. 5 minutes)
- Microprocessor based movement
- Internal Antenna
- Side molded, polycarbonate crystal
- FCC Compliant per FCC part 15 Section 15,247

Highlights:

- Reports to the Master Clock using Sapling's TalkBack protocol:
 - Mechanical Status
 - Signal Strength
 - Battery voltage (when applicable)
- Each clock acts as a repeater for the time data signal
- Energy efficient
- 900 MHz frequency hopping technology to ensure signal reliability
 - No FCC License Required
- Frequent time correction:
 - Once every minute if locally powered
 - Once every two hours if battery powered
- Built-in self-diagnostic mode:
 - Signal reception strength
 - Clock movement testing
 - Battery level if battery-powered
- Custom Color Cases available (minimum order quantity 25)
- Designed and Produced by Sapling Inc. in Pennsylvania, United States of America



Specification sheets may change without prior notice

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Specifications:

Case Material:

Acrylonitrile Butadiene Styrene (ABS).

Case Color:

Standard black or white back case, metallic gray front rim (custom colors available)

Dial Face:

12 or 24 (military) hour standard
Specialty dials available

Dial Material:

Durable polystyrene

Crystal Material:

Shatter-proof, side-molded, transparent polycarbonate

Voltage Input:

Two 1.5V "D" Cell Alkaline Batteries (Battery model)

11 - 28 VAC 50/60 Hz (24V model)

85 - 130 VAC 50/60 Hz (110V model)

180 - 260 VAC 50/60 Hz (230V model)

Average Current Consumption:

Battery - 5 years

35 mA @ 24VAC

25 mA @ 110VAC

15 mA @ 230VAC

Hand tolerance:

Minute hand: +/- 1/4 minute

Second hand: +/- 1/2 second

Temperature range:

Operating: 32°F - 113°F (0°C - 45°C)

Shelf: 5°F - 167°F (-15°C - 75°C)

Operating frequencies:

915-928 MHz while frequency-hopping

Transceiver parameters:

Transmitter power output: 8 dbm

Receiver sensitivity: -103 dbm

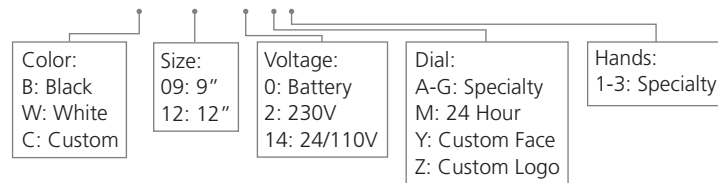
Compliance:

UL and cUL listed, FCC part 15 Section 15.247

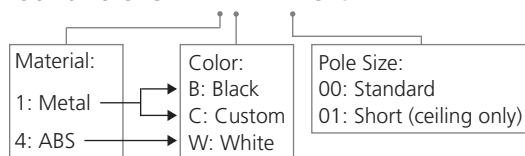


Ordering Information:

SAT Series Wireless Square Clock: SAT-4XS-XXS-X-XX



Double Mount Pole: SAB-XXD-XXS-0



*Standard length black poles will always be metal (SAB-1BD-00S-0)
*Short length black poles will always be ABS (SAB-4BD-01S-0)
*Standard length white poles will always be ABS (SAB-4WD-00S-0)

Note: Purchasing double mounted round analog clocks will require two clocks using the clock part number and one double mount housing using the part number above.

Examples:

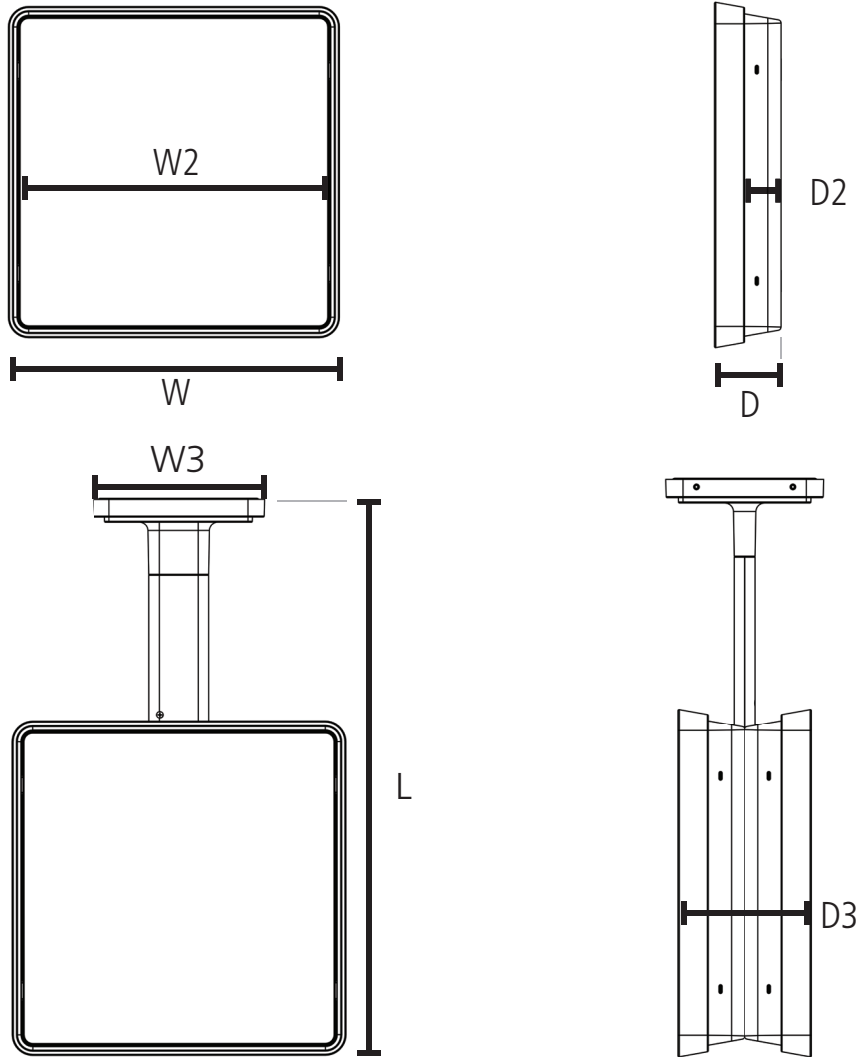
SAT-4WS-09S-0: Sapling Analog, Wireless TalkBack 900 MHz, 9" Square, Battery-Operated, Surface Wall Mount, White Case with Metallic Gray Rim

SAT-4BS-12S-14: Sapling Analog, Wireless TalkBack 900 MHz, 12" Square, 24V/110VAC, Surface Wall Mount, Mineral Black Case with Metallic Gray Rim

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Sapling Square Analog Clock Dimensions



	9" Square	12" Square
Clock Size:	W = 9.79" (24.9cm) W2 = 8.97" (22.8cm) D = 2.44" (6.2cm) D2 = 1.34" (3.4cm)	W = 12.76" (32.4cm) W2 = 11.94" (30.3cm) D = 2.44" (6.2cm) D2 = 1.34" (3.4cm)
Shipping Weight:	3.0lbs (1.81kg)	4.0lbs (1.81kg)
Double/Dual Mount Dimensions:	W3 = 6.56" (16.7cm) D3 = 4.93" (12.5cm)	W3 = 6.56" (16.7cm) D3 = 4.93" (12.5cm)
Adjustable Pole Height for standard pole*:	L3 = 18.32" (46.5cm)	L = 21.12" (53.6cm) L = 19.35" (49.1cm)
Shortened Pole Height:	L = 12.38" (31.4cm)	L = 15.50" (39.3cm)

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

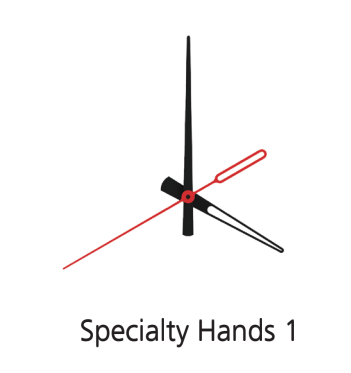
****Shortened** pole (ceiling mount only) refers to part number SAB-1GD-01S-0

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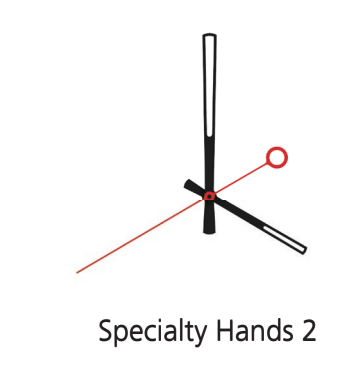
Hand & Dial Options



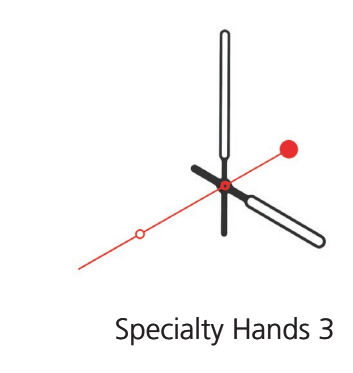
Standard Hands



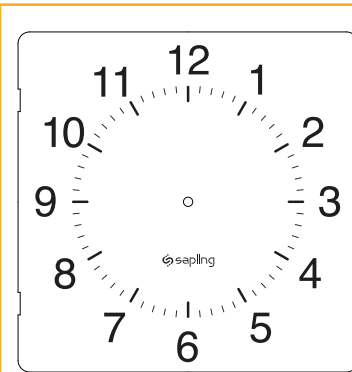
Specialty Hands 1



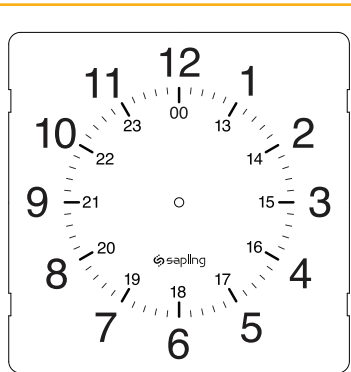
Specialty Hands 2



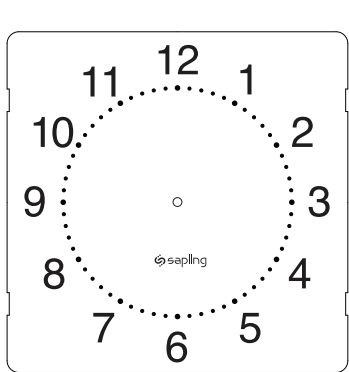
Specialty Hands 3



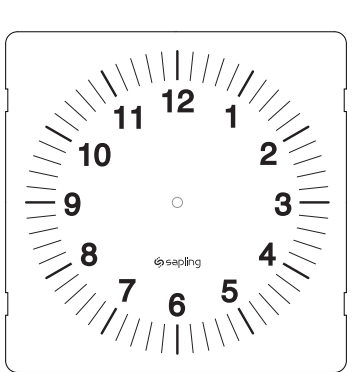
Standard Dial



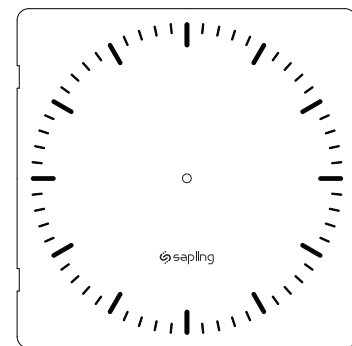
Dial M
(Military 24 Hours)



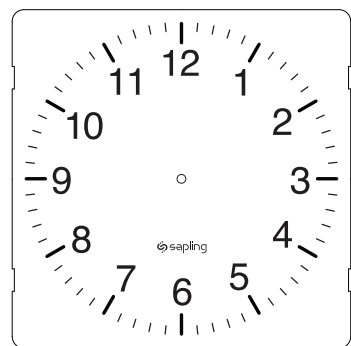
Dial A



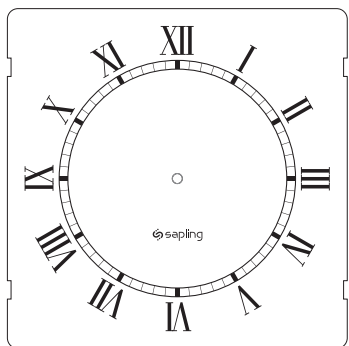
Dial B



Dial C



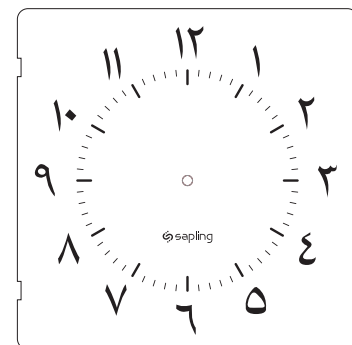
Dial D



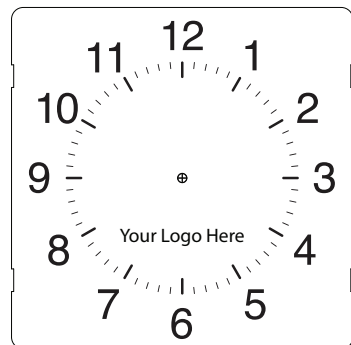
Dial E



Dial F



Dial G



Dial Z

Specialty Hands 1-3 & Specialty Dials A-Z are offered at an additional cost.

For more information please contact your Sapling Representative.