

## SAW Series Wi-Fi Round Clock (V1.6)

### Features:

- Available in 9" (22.8cm), 12" (30.4 cm), and 16" (40.6 cm) dial sizes
- Offered in a Standard or SlimLine ABS case
  - Optional Cherry Wood finish or Brushed Aluminium finish
- Multiple power options
  - Offered in 24VAC/VDC, 110VAC, 230VAC, & battery-powered models
- Provided with mounting hardware for easy installation
- Hour, minute, and second hands
- Quick correction for time change (max. 5 minutes)
- Internal Antenna
- Microprocessor based movement
- Side molded, polycarbonate crystal
- FCC Compliant per FCC part 15 Section 15

### 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
  - Hand position errors and corrections
- Direct-connect mode allows users to configure the clock wirelessly before connecting it to a Wireless Network.
- Adjustable synchronization rate to reduce electricity costs.
  - Battery: 12 hours default. 2/4/8/24 hours adjustable.
  - Locally powered: 5 minutes default. 0.25/0.5/1/4/12/24 hours adjustable.
- Custom Color Cases available (minimum 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)

Cherry wood finish or brushed aluminum finish for the SlimLine ABS case are also available

#### Case Color:

Standard black finish (custom colors available)

#### Dial Face:

12 or 24 (military) hour standard

Specialty dials available

#### Dial Material:

Polyvinyl Chloride (PVC)

#### Crystal Material:

Shatter-proof, side-molded, transparent polycarbonate

#### Voltage Input:

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

7 - 28 VDC/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 - 7 years (affected by frequency of updates)

40 mA @ 24VDC/VAC

10 mA @ 110VAC Maximum

5 mA @ 230VAC Maximum

#### Compatible Wi-Fi Communication Protocols:

802.11 b/g/n (2.4GHz only)

#### Compatible Security Protocols:

WEP, WPA/WPA2

#### Hand tolerance:

Minute hand: +/- 1/4 minute

Second hand: +/- 1/2 second

#### Temperature range:

Operating: 14°F - 122°F (-10°C - 50°C)

Shelf: -4°F - 131°F (-20°C - 55°C)

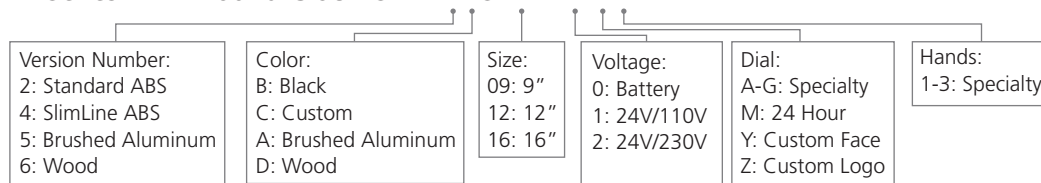
#### Compliance:

UL, cUL listed. FCC part 15 Section 15

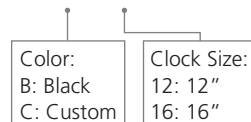


### Ordering Information:

SAW Series Wi-Fi Round Clock: SAW-XXS-XXR-X-XX



Double Mount Housing: SAH-1XD-XXR-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.

\*Note: SlimLine and Aluminum clocks use the SlimLine Adapter.

#### Examples:

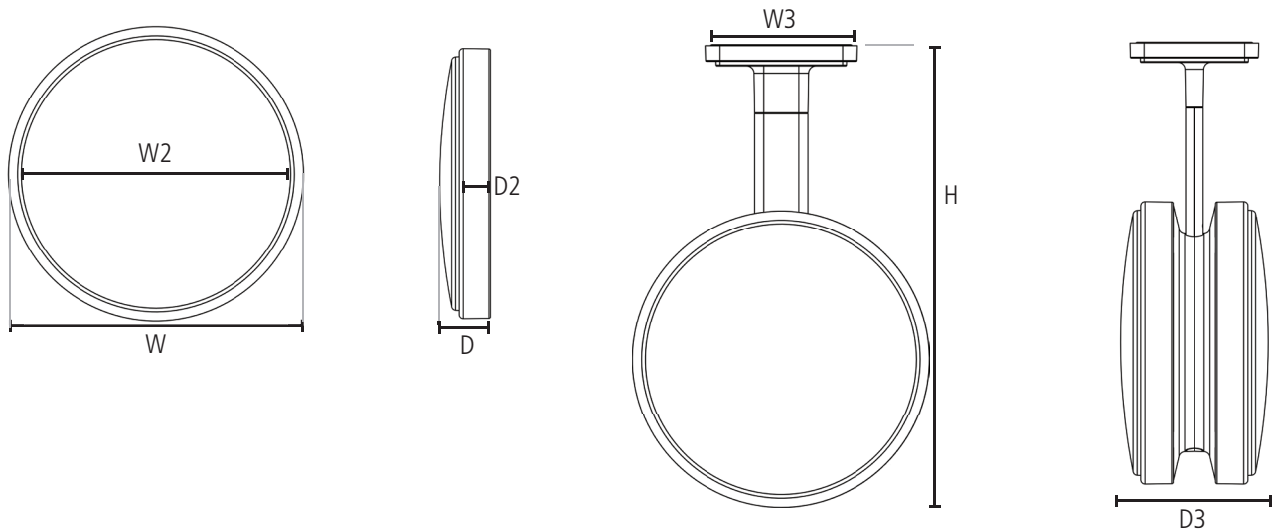
SAW-5AS-09R-0 Sapling Analog, Wi-Fi SlimLine, 9" Round, Battery-Operated, Surface Wall Mount, Brushed Aluminum Case

SAW-6DS-16R-14 Sapling Analog, Wi-Fi SlimLine, 16" Round, 24/110 VAC, Surface Wall Mount, Solid Cherry Wood Frame

Specification sheets may change without prior notice

## SAW Series Wi-Fi Round Clock (V1.6)

### Sapling Round Analog Clock Dimensions



#### SLIMLINE ABS

Clock Size:	<b>9" SlimLine</b>	<b>12" SlimLine</b>	<b>16" SlimLine</b>
	W = 9.8" (24.8cm)	W = 12.9" (32.7cm)	W = 16.7" (42.3cm)
	W2 = 9.5" (24.2cm)	W2 = 12.6" (32.0cm)	W2 = 16.3" (41.5cm)
	D = 2.4" (6.2cm)	D = 2.4" (6.2cm)	D = 2.5" (6.4cm)
	D2 = 1.7" (4.2cm)	D2 = 1.7" (4.3cm)	D2 = 1.7" (4.4cm)
Shipping Weight:	2 lbs (0.9 kg)	2 lbs (0.9 kg)	4 lbs (1.8 kg)
Double/Dual Mount Dimensions:	Not Applicable	W3 = 6.6" (16.7cm) D3 = 6.4" (16.2cm)	W3 = 6.6" (16.7cm) D3 = 6.4" (16.3cm)
Adjustable Pole Height:	Not Applicable	H = 19.7" (50.2cm) = 18.1" (46.1cm) = 16.5" (41.9cm)	H = 21.7" (55.3cm) = 20.1" (51.2cm) = 18.5" (47.0cm)

#### ALUMINUM

#### WOODEN

Clock Size:	<b>9" Aluminum</b>	<b>12" Aluminum</b>	<b>16" Aluminum</b>	<b>9" Wood</b>	<b>12" Wood</b>	<b>16" Wood</b>
	W = 10.7" (27.1cm)	W = 13.8" (35.0cm)	W = 17.8" (45.1cm)	W = 11.6" (29.5cm)	W = 13.3" (33.8cm)	W = 19.6" (49.9cm)
	W2 = 9.5" (24.2cm)	W2 = 12.6" (32.0cm)	W2 = 16.3" (41.5cm)	W2 = 9.5" (24.2cm)	W2 = 12.6" (32.0cm)	W2 = 16.5" (41.5cm)
	D = 2.4" (6.2cm)	D = 2.4" (6.2cm)	D = 2.4" (6.4cm)	D* = 2.4" (6.2cm)	D* = 2.4" (6.2cm)	D* = 2.4" (6.4cm)
	D2 = 1.7" (4.2cm)	D2 = 1.7" (4.4cm)	D2 = 1.7" (4.4cm)	D2* = 2.7" (6.8cm)	D2* = 2.7" (6.8cm)	D2* = 2.7" (6.8cm)
Shipping Weight:	2 lbs (0.9kg)	3 lbs (1.4 kg)	4 lbs (1.8 kg)	3 lbs (kg)	4 lbs (1.8 kg)	6 lbs (2.7 kg)
Double/Dual Mount Dimensions:	Not Applicable	W3 = 6.6" (16.7cm) D3 = 6.4" (16.2cm)	W3 = 6.6" (16.7cm) D3 = 6.4" (16.3cm)	Not Applicable	Not Applicable	Not Applicable
Adjustable Pole Height:	Not Applicable	H = 20.2" (51.5cm) = 18.6" (47.3cm) = 17.0" (43.2cm)	H = 22.3" (56.6cm) = 20.6" (52.4cm) = 19.0" (48.2cm)	Not Applicable	Not Applicable	Not Applicable

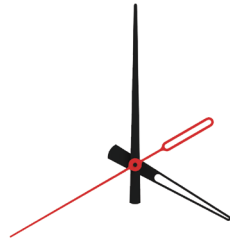
**\*NOTE:** For wood clocks, the rim (D2) protrudes further from the wall than the crystal (D).

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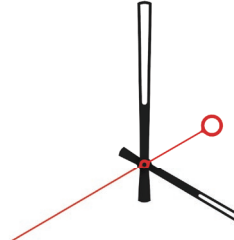
### Hand & Dial Options



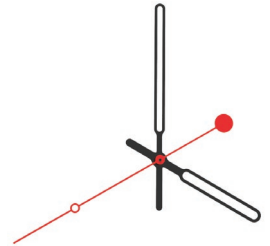
Standard Hands



Specialty Hands 1



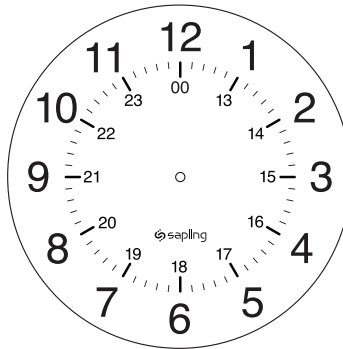
Specialty Hands 2



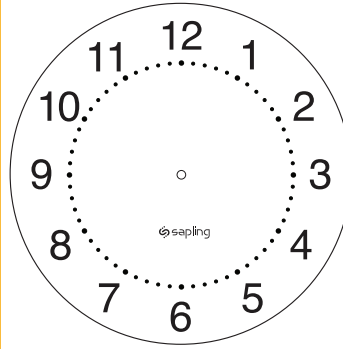
Specialty Hands 3



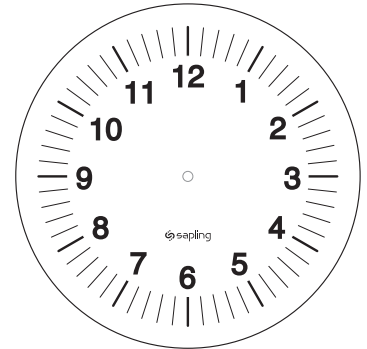
Standard Dial



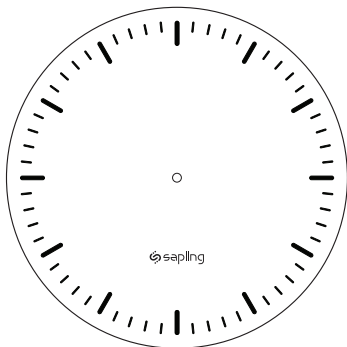
Dial M  
(Military 24 Hours)



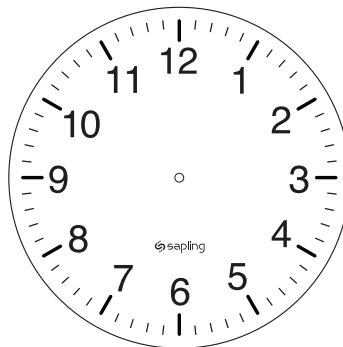
Dial A



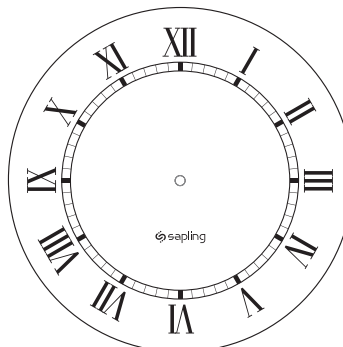
Dial B



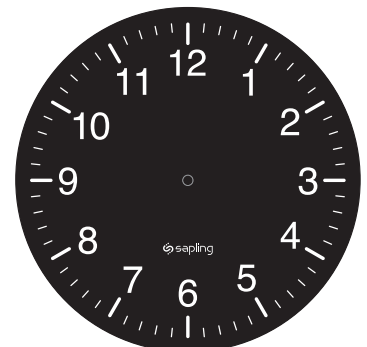
Dial C



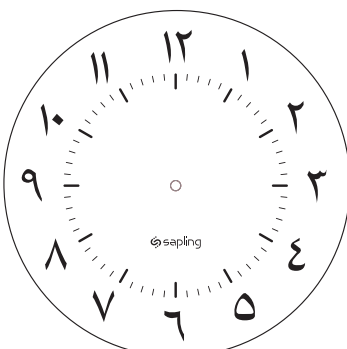
Dial D



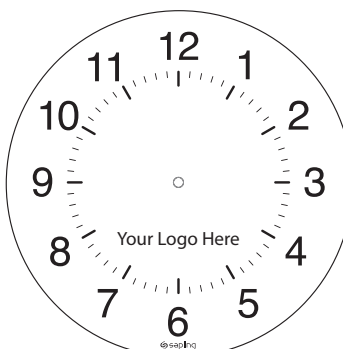
Dial E



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.

## SAW Series Wi-Fi Round Clock (V1.6)

### Clock Case Options



Standard SlimLine  
ABS Case



Brushed Aluminum Finish



Solid Wood Case Cherry Finish

