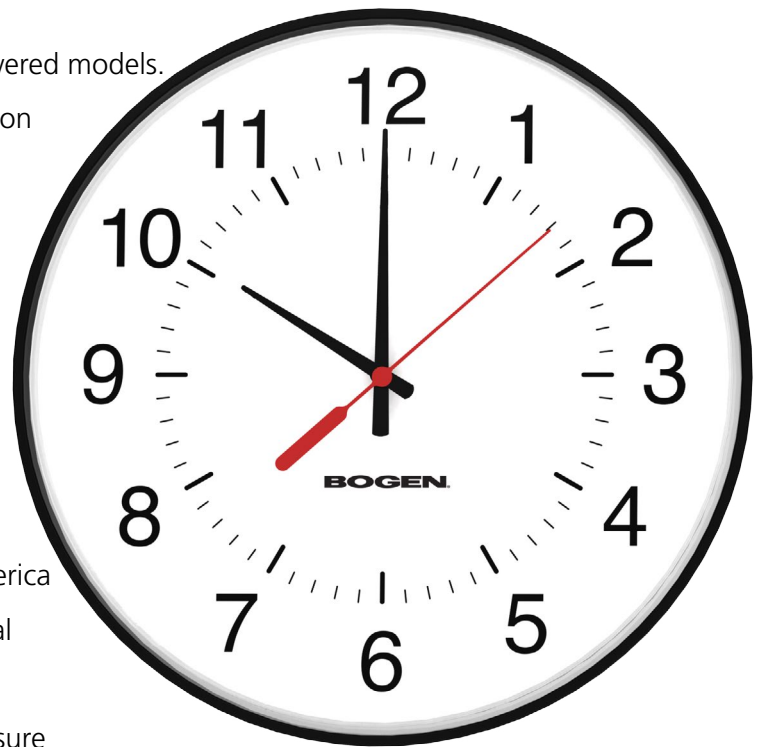# BCAL Series Wireless 900MHz Round Clock (V5.5)

Features:

- Available in 9", 12", and 16" dial sizes
- Offered in a Standard or SlimLine ABS case
  - Optional Cherry Wood finish or Brushed Aluminum finish
- Multiple power options
  - Offered in 110/24VAC, 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:

- Designed and Produced in the United States of America
- Each clock acts as a repeater for the time data signal
- Energy efficient
- 915-928 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 in standard mode, or once every four hours in economy mode 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)

BCAL Series Wireless 900MHz Round Clock (V5.5)

Specifications:

Case Material:

Acrylonitrite Butadiene Styrene (ABS).
Cherry wood finish or brushed aluminum finish for the SlimLine ABS case is also available.

Case Color:

Standard black finish (custom colors available)

Dial Face:

12 or 24 (military) hour standard

Specialty dials avaliable

Dial Material:

Durable polystyrene

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 years (standard mode)

8 years (economy mode)

35 mA @ 24VDC/VAC

25 mA @ 110VAC

15 mA @ 230VAC

Operating frequencies:

915-928 MHz while frequency-hopping

Transceiver parameters:

Transmitter power output: 8 dbm

Receiver sensitivity: -103 dbm

Hand tolerance:

Minute hand: +/- 1/4 minute
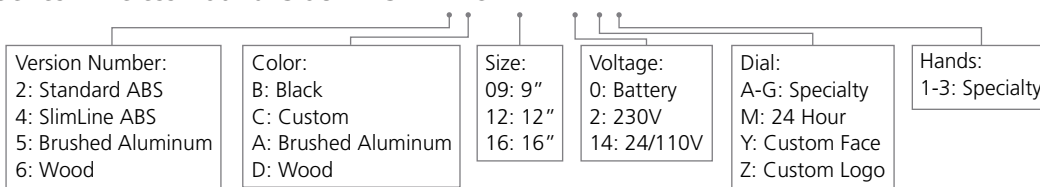
Second hand: +/- 1/2 second

Temperature range:

Operating: 32°F - 113°F (0°C - 45°C)
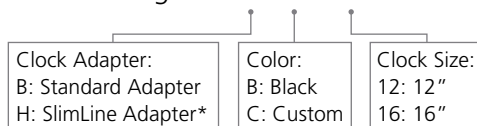
Shelf: 5°F - 167°F (-15°C - 75°C)

Compliance:

UL and cUL listed, FCC part 15 Section 15,247

Ordering Information:

BCAL Series Wireless Round Clock: BCAL-XXS-XXR-X-XX

Version Number: 2: Standard ABS 4: SlimLine ABS 5: Brushed Aluminum 6: Wood	Color: B: Black C: Custom A: Brushed Aluminum D: Wood	Size: 09: 9" 12: 12" 16: 16"	Voltage: 0: Battery 2: 230V 14: 24/110V	Dial: A-G: Specialty M: 24 Hour Y: Custom Face Z: Custom Logo	Hands: 1-3: Specialty

Double Mount Housing: BCAX-4XD-XXR-0

Clock Adapter: B: Standard Adapter H: SlimLine Adapter*	Color: B: Black C: Custom	Clock Size: 12: 12" 16: 16"

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.
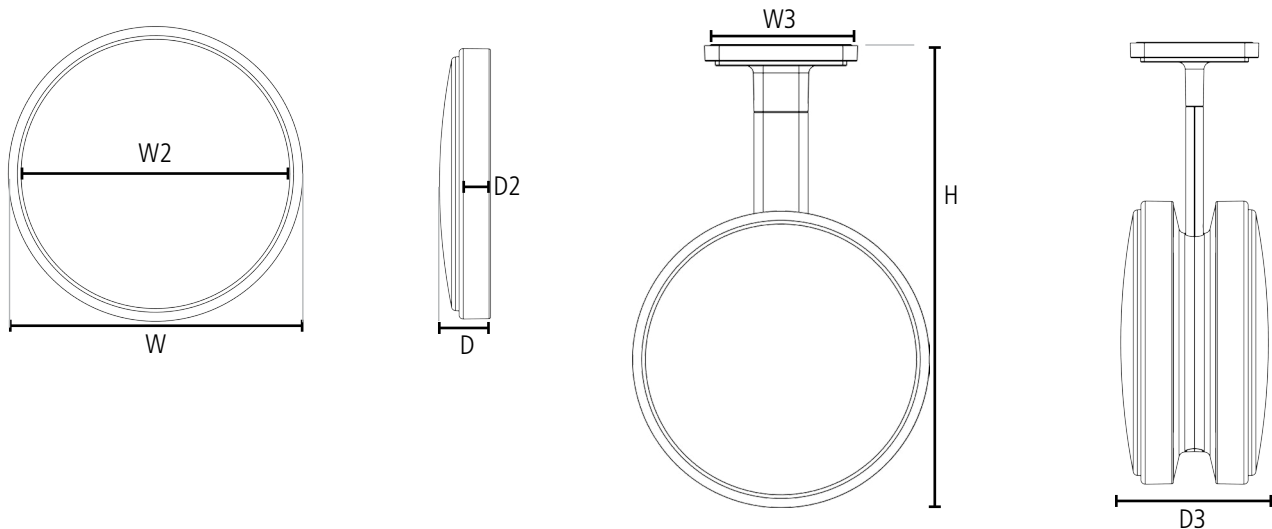
Examples:
BCAL-5AS-09R-0   Bogen Analog, Wireless SlimLine, 900 MHz, 9" Round, Battery-Operated, Surface Wall Mount, Brushed Aluminum Case
BCAL-6DS-16R-14   Bogen Analog, Wireless SlimLine, 900 MHz, 16" Round, 24/110 VAC, Surface Wall Mount, Solid Cherry Wood Frame

Specification sheets may change without prior notice

BCAL Series Wireless 900MHz Round Clock (V5.5)

Bogen Round Analog Clock Dimensions

Clock Size:	STANDARD ABS			SLIMLINE ABS	
	12" Standard	**16" Standard**	**9" SlimLine**	**12" SlimLine**	**16" SlimLine**
	W = 12.75" (32.4cm)	W = 16.75" (42.6cm)	W = 9.8" (24.8cm)	W = 12.9" (32.7cm)	W = 16.7" (42.3cm)
	W2 = 11.80" (30.0cm)	W2 = 15.75" (40.0cm)	W2 = 9.5" (24.2cm)	W2 = 12.6" (32.0cm)	W2 = 16.3" (41.5cm)
	D = 2.44" (6.2cm)	D = 2.50" (6.4cm)	D = 2.4" (6.2cm)	D = 2.4" (6.2cm)	D = 2.5" (6.4cm)
	D2 = 1.45" (3.7cm)	D2 = 1.60" (4.1cm)	D2 = 1.7" (4.2cm)	D2 = 1.7" (4.3cm)	D2 = 1.7" (4.4cm)
Shipping Weight:	4.0lbs (1.81kg)	6.0lbs (2.72kg)	2 lbs (0.9 kg)	2 lbs (0.9 kg)	4 lbs (1.8 kg)
Double/Dual Mount Dimensions:	W3 = 6.56" (16.7cm) D3 = 6.86" (17.5cm)	W3 = 6.56" (16.7cm) D3 = 8.00" (20.3cm)	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:	H = 19.69" (50.0cm) = 18.07" (45.9cm) = 16.45" (41.8cm)	H = 21.90" (55.6cm) = 20.20" (51.3cm) = 18.56" (47.1cm)	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)

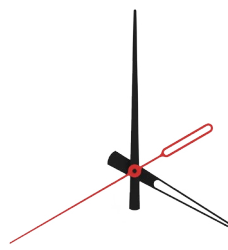| Clock Size:	ALUMINUM			WOODEN		
	9" Aluminum	**12" Aluminum**	**16" Aluminum**	**9" Wood**	**12" Wood**	**16" Wood**
	W = 10.7" (27.1cm)	W = 13.8" (35.0cm)	W = 17.8" (45.1cm)	W = 11.6" (29.5cm)	W = 13.3" (33.8cm)	W = 19.6" (49.9cm)
	W2 = 9.5" (24.2cm)	W2 = 12.6" (32.0cm)	W2 = 16.3" (41.5cm)	W2 = 9.5" (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).

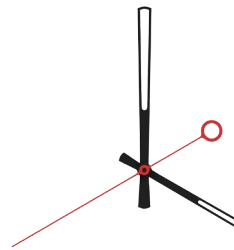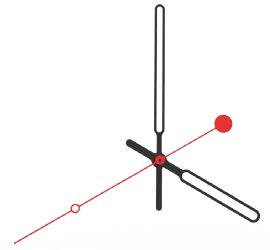# BCAL Series Wireless 900MHz Round Clock (V5.5)

Hand & Dial Options
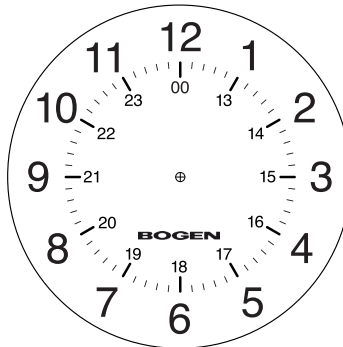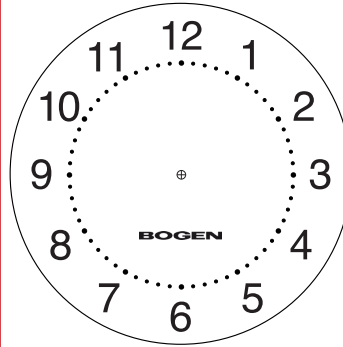

Standard Hands

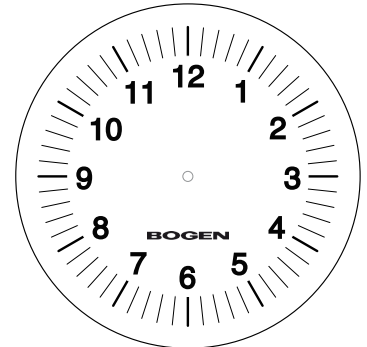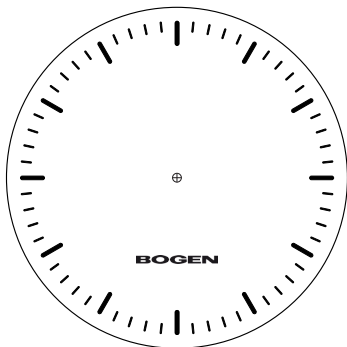Specialty Hands 1

Specialty Hands 2

Specialty Hands 3

Standard Dial

Dial M
(Military 24 Hours)
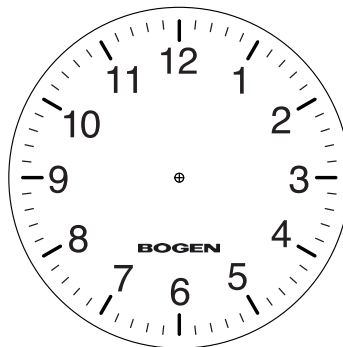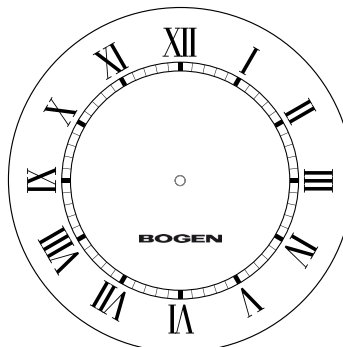

Dial A

Dial B

Dial C
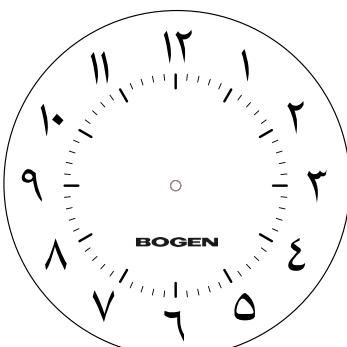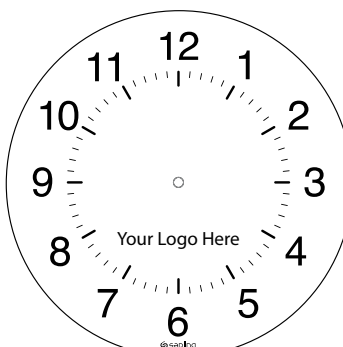

Dial D

Dial E

Dial F

Dial G

Dial Z

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

For more information please contact
your Bogen Representative.

BCAL Series Wireless 900MHz Round Clock (V5.5)

Clock Case Options

Standard ABS Case

Standard SlimLine ABS Case

Brushed Aluminum Finish

Solid Wood Case Cherry FInish