

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

### Features:

- Available in 9" (22.8cm), and 12" (30.4 cm) dial sizes
- Offered in a stylish ABS case
- 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)



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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)

7 - 28 VAC 50/60 Hz (24V model)

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

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

#### Operating frequencies:

915-928 MHz while frequency-hopping

#### Average Current Consumption:

Battery - 5 years (standard mode)

8 years (economy mode)

35 mA @ 24VAC

25 mA @ 110VAC

15 mA @ 230VAC

#### 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)

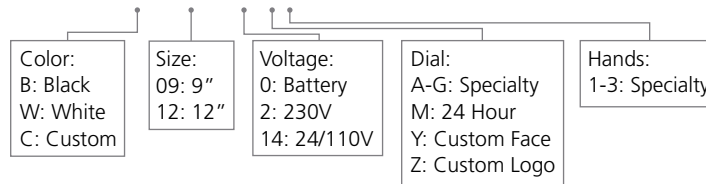
#### Compliance:

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

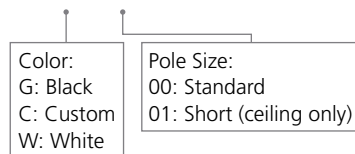


### Ordering Information:

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



Double Mount Pole: SAB-4XD-XXS-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:

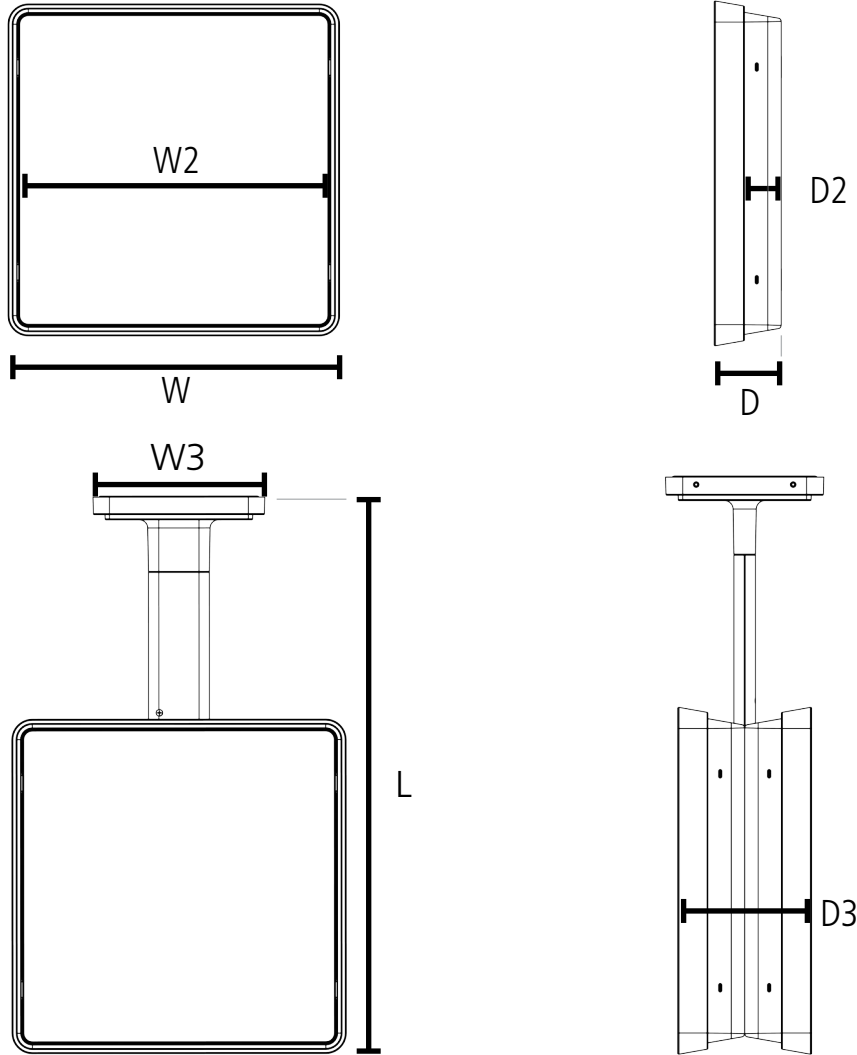
BCAL-4WS-09S-0: Bogen Analog, Wireless 900 MHz, 12" Square, Battery-Operated, Surface Wall Mount, White Case with Metallic Gray Rim

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

Specification sheets may change without prior notice

**BCAL Series Wireless 900MHz Square Clock (V5.5)**

**Bogen Square Analog Clock Dimensions**



	<b>9" Square</b>	<b>12" Square</b>
<b>Clock Size:</b>	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)
<b>Shipping Weight:</b>	3.0lbs (1.81kg)	4.0lbs (1.81kg)
<b>Double/Dual Mount Dimensions:</b>	W3 = 6.56" (16.7cm) D3 = 4.93" (12.5cm)	W3 = 6.56" (16.7cm) D3 = 4.93" (12.5cm)
<b>Adjustable Pole Height for standard pole*:</b>	L3 = 18.32" (46.5cm)	L = 21.12" (53.6cm) L = 19.35" (49.1cm)
<b>Shortened Pole Height:</b>	L = 12.38" (31.4cm)	L = 15.50" (39.3cm)

\***Standard** pole refers to part number BCAB-4GD-00S-0

\*\***Shortened** pole (ceiling mount only) refers to part number BCAB-4GD-01S-0

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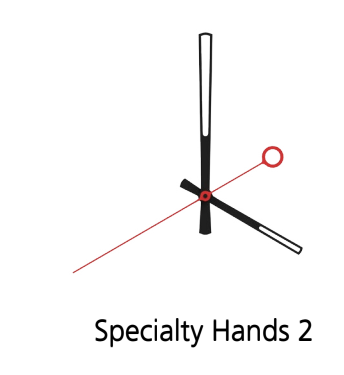
**Hand & Dial Options**



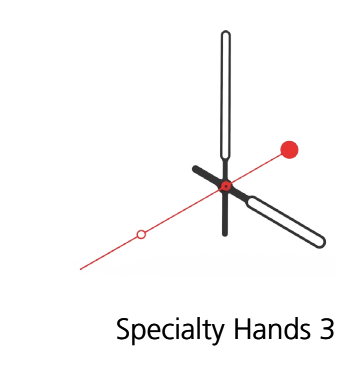
Standard Hands



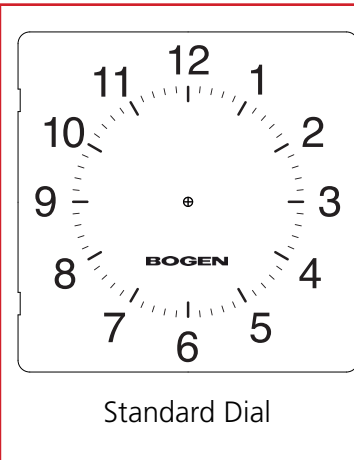
Specialty Hands 1



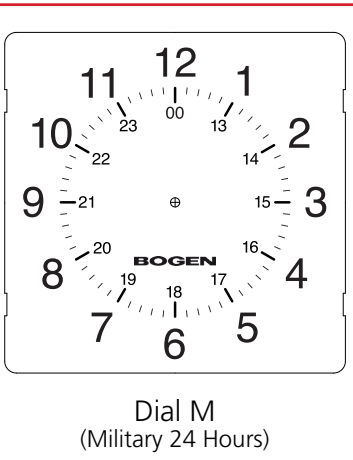
Specialty Hands 2



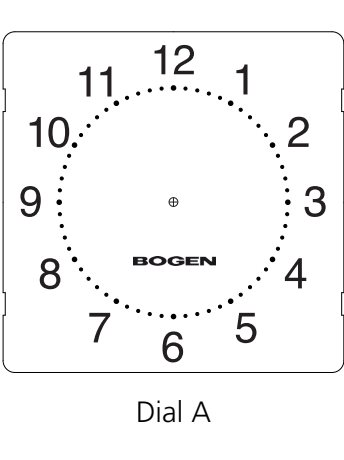
Specialty Hands 3



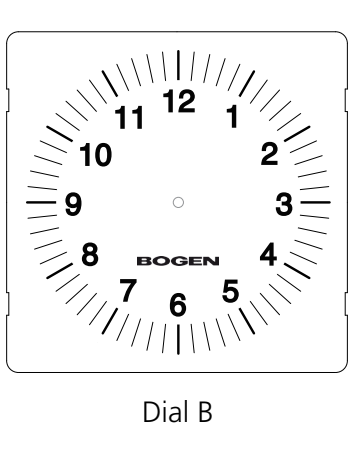
Standard Dial



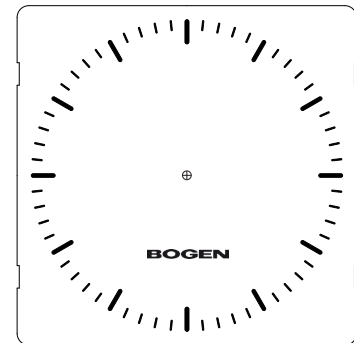
Dial M  
(Military 24 Hours)



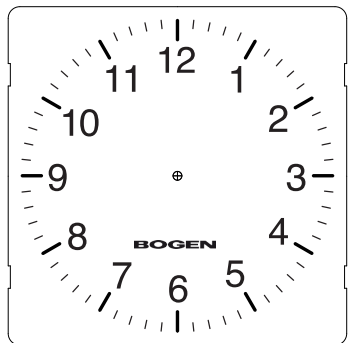
Dial A



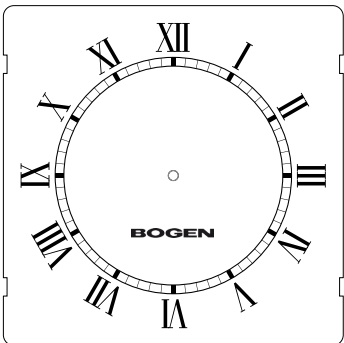
Dial B



Dial C



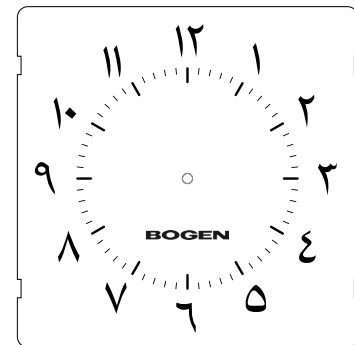
Dial D



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 Bogen Representative.