BCBLG 3000 Series Digital Wireless Clock (V1.4)

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
• Receives time correction wirelessly
  • Internal Antenna
• FCC Compliant per FCC part 15 Section 15,247

Highlights
• Each clock acts as a repeater for the time data signal
• 2.4 GHz frequency hopping technology to ensure signal reliability
  • No FCC or special operating license required
• Receives time correction once every minute
• Programmable brightness levels
• Ten year battery backup for internal real time clock and clock settings
• The clock features time loss notification by flashing the colon
• “BELL” and “Fire” messaging capabilities
• Capable of receiving pre-scheduled countdown command from the BCMA Master Clock (optional BCMA function)

Specification sheets may change without prior notice
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- Alternating time/date display in U.S. format (MM:DD:YY)
- Designed and Produced by Bogen Communications, Inc. in the 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-TEMPLT-000-0)
  - USB Programming Cable (D-USBF485-INTF-1)
- Alternating time/date display in international date format (DD:MM:YY) set using USB Programming Cable
- Brightness scheduling capabilities
- Can also receive Sapling RS485 protocol

Additional 3300 Model Highlights
- Easy programming with two front push buttons
- 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
- Can interface with 3 wire sync protocols

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:
3100: Two levels, adjustable
3200/3300: 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)

Temperature Range
Operating: 32°F - 122°F (0°C - 50°C)
Shelf: 5°F - 167°F (-15°C - 75°C)

Operating Frequency:
2.4 GHz frequency-hopping technology

Compliance:
UL and cUL listed; FCC
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**Receiver Sensitivity:**  
-103 dBm

**Transmitter Power Output:**  
8 dBm

**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):**

<table>
<thead>
<tr>
<th>Display Size</th>
<th>Red Display (Standard)</th>
<th>Amber Display</th>
<th>Green Display</th>
<th>White Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5” 4 digit</td>
<td>89 mA</td>
<td>105.8 mA</td>
<td>127.6 mA</td>
<td>127.5 mA</td>
</tr>
<tr>
<td>2.5” 6 digit</td>
<td>121 mA</td>
<td>113.71 mA</td>
<td>155.42 mA</td>
<td>155.12 mA</td>
</tr>
<tr>
<td>4.0” 4 digit</td>
<td>138 mA</td>
<td>139.87 mA</td>
<td>186.2 mA</td>
<td>189.9 mA</td>
</tr>
<tr>
<td>4.0” 6 digit</td>
<td>183 mA</td>
<td>158.53 mA</td>
<td>229.74 mA</td>
<td>230.51 mA</td>
</tr>
</tbody>
</table>

**Double Mount Pole:** BCAB-1XD-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.
**Surface Mount**

- **Overall Width at positions on standard pole:**
  - BCAB-4GD-00S-0
  - 4 Digits 2.5” (6.35cm): 
    - W = 11.06” (28.09cm)
    - H = 5.38” (13.67cm)
    - D = 4.06” (10.31cm)
  - 4 Digits 4.0” (10.16cm): 
    - W = 14.13” (35.89cm)
    - H = 7.56” (19.20cm)
    - D = 4.38” (11.61cm)
  - 6 Digits 2.5” (6.35cm): 
    - W = 14.44” (36.68cm)
    - H = 5.38” (13.67cm)
    - D = 4.06” (10.31cm)
  - 6 Digits 4.0” (10.16cm): 
    - W = 19.25” (48.90cm)
    - H = 7.56” (19.20cm)
    - D = 4.38” (11.61cm)

- **Overall Length for standard pole:**
  - BCAB-4GD-00S-0
  - 4 Digits 2.5” (6.35cm): 
    - L4 = 15.75” (40.01cm)
  - 4 Digits 4.0” (10.16cm): 
    - L4 = 17.18” (43.63cm)
  - 6 Digits 2.5” (6.35cm): 
    - L4 = 14.75” (37.47cm)
  - 6 Digits 4.0” (10.16cm): 
    - L4 = 21.41” (54.38cm)

- **Overall Length for shortened pole:**
  - BCAB-4GD-01S-0
  - 4 Digits 4.0” (10.16cm): 
    - L4 = 10.13” (25.72cm)
  - 6 Digits 4.0” (10.16cm): 
    - L4 = 8.68” (22.03cm)

- **Visibility (Max Brightness):**
  - Standard: 150 feet (45.72 meters)
  - Standard: 250 feet (76.20 meters)
  - Shortened: 150 feet (45.72 meters)
  - Shortened: 250 feet (76.20 meters)

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**Ceiling Double Mount**

- **Overall Width at positions on standard pole:**
  - BCAB-4GD-00S-0
  - 4 Digits 2.5” (6.35cm): 
    - W = 18.95” (48.13cm)
    - H = 6.56” (16.67cm)
    - D = 8.09” (20.54cm)
  - 4 Digits 4.0” (10.16cm): 
    - W = 18.83” (48.21cm)
    - H = 6.56” (16.67cm)
    - D = 8.63” (21.92cm)
  - 6 Digits 2.5” (6.35cm): 
    - W = 20.47” (52.40cm)
    - H = 17.30” (43.94cm)
    - D = 8.63” (21.92cm)
  - 6 Digits 4.0” (10.16cm): 
    - W = 20.63” (52.40cm)
    - H = 17.18” (43.63cm)
    - D = 8.63” (21.92cm)

- **Overall Length for standard pole:**
  - BCAB-4GD-00S-0
  - 4 Digits 2.5” (6.35cm): 
    - L4 = 14.75” (37.47cm)
  - 4 Digits 4.0” (10.16cm): 
    - L4 = 15.75” (40.01cm)
  - 6 Digits 2.5” (6.35cm): 
    - L4 = 14.75” (37.47cm)
  - 6 Digits 4.0” (10.16cm): 
    - L4 = 21.41” (54.38cm)

- **Overall Length for shortened pole:**
  - BCAB-4GD-01S-0
  - 4 Digits 4.0” (10.16cm): 
    - L4 = 10.13” (25.72cm)

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

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