The BRK Brands, Inc. model CO5120BN is a wire-in, 120 VAC 60Hz single and / or multiple station carbon monoxide alarm specifically designed for residential and institutional applications including sleeping rooms of hospitals, hotels, motels, dormitories and other multi-family dwellings as defined in standard NFPA 101. Model CO5120BN complies with UL2034, NFPA 720, HUD, FHA and other agencies that model their codes after the above agencies. They meet building codes where AC/DC carbon monoxide alarms are required either separately or in combination. The alarms are interconnectable up to 18 devices, of which 12 can be smoke alarms.

The BRK CO5120BN features an electrochemical carbon monoxide sensor, an 85dB horn, 9V battery back-up, an End of Life and a silence feature. “Intelligent Sensing Technology” is designed to reduce nuisance alarms. “Latching Alarm Indicator” remembers which unit initiated an alarm. When interconnected in a series, the unit that triggered the alarm will store in memory or “latch” the information and begin to flash the LED indicator 2 seconds on, 2 seconds off. A single button test/silence button eliminates confusion. Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the side load battery compartment. Other Contractor Preferred features include a dust cover to keep alarm clean during construction, keyhole slots in the mounting bracket eliminate the need to remove the electrical box screws for installation. Two locking features are provided to prevent battery theft and/or theft of the unit. Connection to AC power is made with a “Quick-Connect” wiring harness. Installation is quick, easy and cost effective.
The CO alarm shall be a BRK Model CO5120BN and shall provide at a minimum the following features and functions:

1. An electrochemical CO sensor with a 10 year service life.
2. Powered by 120V AC, 60Hz and have a monitored 9V battery backup and a solid state piezo horn rated at 85dB at 10 ft. and be capable of self restoring.
3. The unit shall perform self diagnostic tests and issue a malfunction warning (three chirps) if the unit malfunctions.
4. The unit shall have an “End of Life” signal (5 chirps). This signal should be capable of temporarily being silenced for up to 2 days. After about 2 days, the signal will resume. After about 2-3 weeks the signal cannot be silenced.
5. A visual power-on indicator to confirm unit is receiving AC power or has switched to battery backup mode.
6. The CO sensor is adjusted not to detect CO levels below 30 PPM and will not alarm when exposed to constant levels of 30 PPM for 30 days. It will alarm at the following levels: 400 PPM CO between 4 and 15 minutes, 150 PPM CO between 10 and 50 minutes and 70 PPM CO between 60 and 240 minutes.
7. A test/silence button to check all alarm functions and to silence any nuisance alarms. In addition, the unit shall have a low battery silence feature to quiet the low battery chirp for up to eight hours.
8. A “Smart Interconnect” feature allows the unit to be interconnected to BRK smoke alarms. During a smoke event, the CO5120BN horn pattern shall emit the smoke alarm horn pattern (3 beeps, pause, 3 beeps pause). During a CO event, the interconnected CO alarms sound their normal horn pattern.
9. Two Locking features - tamper resistant locking pins that lock battery drawer and/or alarm to mounting bracket.
10. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 95%.
11. The unit shall at a minimum meet the requirements of UL2034, CSFM, NFPA 720 and the ICC.

**TECHNICAL SPECS**

<table>
<thead>
<tr>
<th>Alarm Dimensions:</th>
<th>5.4” dia. x 1.9” H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight:</td>
<td>6.4 oz</td>
</tr>
<tr>
<td>Operating Voltage:</td>
<td>120V AC 60Hz w/ 9V alkaline battery backup</td>
</tr>
<tr>
<td>Operating Current:</td>
<td>0.09 amps (standby/alarm)</td>
</tr>
<tr>
<td>Temperature Range:</td>
<td>40°F (4°C) to 100°F (38°C)</td>
</tr>
<tr>
<td>Humidity Range:</td>
<td>10% to 95% relative humidity (RH)</td>
</tr>
<tr>
<td>Audio Alarm:</td>
<td>85dB at 10 feet</td>
</tr>
<tr>
<td>Test/Silence:</td>
<td>Electronically simulates CO condition, causing the unit to alarm. Press and hold test/silence button.</td>
</tr>
<tr>
<td>Alarm Reset:</td>
<td>Automatic when CO clears</td>
</tr>
<tr>
<td>Interconnections:</td>
<td>Up to 18 units of First Alert or BRK Smoke, CO and Heat Alarms. Maximum of 12 smoke alarms. See user’s manual for details.</td>
</tr>
</tbody>
</table>

**CO Sensor:** Electrochemical

**Indicator Lights/Sounds:**

- AC Power: Constant Green LED
- DC Power: Intermittent Green LED
- Local Alarm: Red LED flashes rapidly
- Remote Alarm: Red LED out.
- Latching Alarm: Red LED flashes 2 sec. on/2 sec. off after local alarm

**LISTING:** Listed to UL2034 Standards

**SHIPPING SPECS**

- Individual Carton Dimensions: 5.54”L x 2.10”W x 5.72”H
- Weight: 0.61 lbs.
- Cube: 0.04 ft³
- UPC: 0 29054 85617 3
- Master Carton Dimensions: 13.13”L x 5.81”W x 12.13”H
- Master Pack: 12
- Weight: 9.21 lbs.
- Cube: 0.54 ft³
- I2of5: 300 29054 85617 4

**Pallet Information**

- Cases per Layer: 25
- Number of Layers: 3
- Cases per Pallet: 75
- Units per Pallet: 900
- Weight: 758 lbs.

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