



1.0 GENERAL DESCRIPTION

- 1.1 The unit shall be a vandal-resistant communications device that is a multi-functional, freestanding pedestal constructed of carbon steel, model CB 1-s from Code Blue Corporation, no substitutions. It shall include a high quality, hands-free communications device illuminated by a high intensity faceplate light, a powerful combination blue beacon/strobe light and an area light that serve to easily identify it from a distance.

2.0 CONSTRUCTION

- 2.1 The unit shall be a cylinder constructed of ASTM A500 seamless carbon steel structural tube, 12.75" outside diameter x 0.135" thick wall, at a height of 108" and weigh approximately 210 lbs.
- 2.2 The unit shall have an internal anchor base plate that is MIG welded 2" above the base and fabricated with a minimum of 0.50" thick A-36 grade steel plate. It shall have a 5" diameter center hole for electrical conduit access. The base plate shall have four oblong holes on an 8" circular bolt pattern for attachment.
- 2.3 One access door measuring 14.00" H x 9.54" W will be placed 13.00" from the bottom of the base to provide access for mounting to the anchor bolts and connectivity to electrical facilities. The opening shall have a cover plate, which mounts flush and is the same steel and radius as the unit. The cover plate shall fit into the opening and have a weather-resistant gasket. The cover plate shall be held in place by two ¼-20 x 1" countersunk proprietary fasteners.
- 2.4 Tamper resistant proprietary fasteners manufactured for Code Blue Corporation shall be used. It shall not be possible to acquire the custom-designed bit from any other source.
- 2.5 Three area light openings 10" high and 10.72" wide, with the bottom of the openings approximately 14" from the top.
 - 2.5.1 A heavy cylindrical lens made of clear UV-rated polycarbonate shall be mechanically and chemically fastened to the interior. The lens shall be fully sealed and treated to prevent damage from ultra-violet radiation, aging, cracking, yellowing or breaking.
- 2.6 A recessed opening shall be cut at a point beginning 36.6" above the bottom of the unit. The opening shall be 15.1" tall at the forward edge and 12.8" tall at the rear edge, creating a 25-degree angle from the horizontal and an arc of 160 degrees in the face.
 - 2.6.1 The opening shall be enclosed by a 7 gauge steel plate with a single opening for a communication device.



3.0 MOUNTING

- 3.1 The unit shall be mounted onto four anchor bolts that are set 0.50" above the concrete. Standard 0.75" x 24" galvanized steel anchor bolts, nuts and washers shall be supplied.
- 3.2 The concrete foundation shall measure 24" x 24" minimum and the anchor bolts shall protrude 6" from the foundation.
- 3.3 Unit shall include a weather-resistant, vented rubberized gasket mounted into the base to prevent entry of sediment and pests.

4.0 ELECTRICAL

- 4.1 All electrical components shall have a modular plug for easy service and replacement, and will be equipped with a fuse for protection from transient voltage conditions.
- 4.2 Requires 2.5 ampere at 24V AC.
- 4.3 Voltage options shall include: 12-24V AC/DC; 120, 240 and 277V AC.
- 4.4 The unit shall have the option for Power over Ethernet for connectivity to a VoIP network switch with 802.3af or 802.3at (minimum) capabilities. Requires the LS1000 or IP5000 phone for connectivity to ToolVox or SIP/IAX2 compatible VoIP system.

5.0 LIGHTS

- 5.1 LED Beacon/Strobe: Located in the dome top assembly with a rating of no less than 270 Lumens/92 candela, it shall have a factory-set flash rate of up to 375 flashes per minute and be programmable. A deep blue UV-rated polycarbonate prismatic refractor shall surround the LED Beacon/Strobe and be used to distribute the light in a horizontal pattern for maximum brightness and visibility.
 - 5.1.1 The communication device shall be factory programmed to activate the LED Beacon/Strobe for the duration of a call.
 - 5.1.2 The LED Beacon/Strobe shall be 5.10" tall and 5.50" in diameter.
- 5.2 Area Light: The LED Area Light shall be protected within the two light openings by a .13" thick UV-rated polycarbonate lens and be used to distribute light in a horizontal and vertical pattern.
 - 5.2.1 A reflector disk shall be mounted above to direct light outward and downward.
 - 5.2.2 It shall measure 10.72" W x 10" H, with the opening 14" from the top.
 - 5.2.3 It shall have a Lumen rating of 852.
- 5.3 Faceplate light: LED will direct light onto the communications device and be vandal resistant.



Architectural & Engineering Specifications

- 5.3.1 The opening shall measure 4.50" W x .50" H.
- 5.3.2 The light shall have a lifetime of 100,000 hours and a rating of 100 Lumens.

6.0 COMMUNICATIONS

- 6.1 The unit shall have a speakerphone communication device.
 - 6.1.1 LS1000/LS2000 – VoIP: Refer to the **LS1000 and LS2000 Architect and Engineering Specification** for further information.
 - 6.1.2 IP5000 - VoIP: Refer to the **IP5000 Architect and Engineering Specification** for further information.
 - 6.1.3 IA4100 - Analog: Refer to the **IA4100 Architect and Engineering Specification** for further information.
- 6.2 The unit shall be capable of communicating via third party IP wireless and cellular devices, which can be housed within the unit.
- 6.3 EIA/TIA, ANSI, CSA and BICSI cabling or similar standards shall be adhered to for proper operation of devices connected to copper or fiber infrastructure.

7.0 FINISH

- 7.1 Four-coat paint process, with zinc-rich primer for corrosion resistance and baked-on polyurethane enamel for maximum gloss and shine.
 - 7.1.1 Optional clear coating process available to provide additional environmental protection.
- 7.2 Substrate preparation shall be as required to comply with applicable ASTM impact and adhesion standards: D2794 Direct and Reverse Impact, D523 Gloss @ 60 Degrees, D3359B Cross hatch Adhesion, D1654 Corrosion Creep, D714 Scribe Blisters and D714 Field Blisters.
- 7.3 The finish shall be available in 7 standard colors: Safety Blue, Safety Red, Safety Yellow, Gloss White, Gloss Black, Dark Bronze and Bright Silver. Custom colors shall be available.
- 7.4 Minimum coverage thickness of 2.0 mils.

8.0 COMPLIANCE

- 8.1 Americans with Disabilities Act (ADA) compliant
- 8.2 UL 62368-1
- 8.3 CSA C22.2 No. 62368-1
- 8.4 NFPA 72 Chapter 24 (2010) compliant
- 8.5 Meets NEMA 3 requirements

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9.0 GRAPHICS

- 9.1 Engineering grade reflective vinyl for high visibility and legibility.
- 9.2 Standard 3.25" tall and 30" long graphics text offerings: Emergency, Assistance, Security, Courtesy, Police, Information or Help Point.
- 9.3 Standard graphics color offerings: Reflective White, Reflective Blue, Reflective Black, Reflective Green, Reflective Red and Reflective Yellow.
- 9.4 Custom text, length and color options shall be available.

10.0 OPTIONS

- Active Vent Solar Powered Fan for improved air flow
- Overhead Camera Mount
- 360° Public Address Speakers
- Second faceplate opening for directory listings, camera, card reader or other mounted devices.
- Temperature-controlled compartment capable of housing an AED device
 - Stainless steel housing shall be factory installed with dimensions of 12" W x 21.42" H x 8.62" D
 - The communication device shall be factory programmed to activate the AED door remotely
- NightCharge® power system
- Mounting Rings for housing and mounting third party security and communication products
- Secondary Access Door

11.0 WARRANTY

- 11.1 The CB 1-s shall be warrantied against any defects in material and workmanship, under normal use, for a period of 2 years from date of installation. If system is found by manufacturer to be defective within the warranty period, manufacturer shall repair and/or replace any defective parts, provided the equipment is returned to manufacturer.

12.0 MANUFACTURER

- 12.1 The Manufacturer shall be Code Blue Corporation. 800-205-7186, 259 Hedcor Street, Holland, Michigan 49423. www.codeblue.com. THERE ARE NO EQUIVALENTS.

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