Code Blue®

CB 9-s PRODUCT SPECIFICATION

1.0 GENERAL DESCRIPTION

1.1 The unit (Code Blue CB 9-s) shall be a vandal resistant communications device that is Americans with Disabilities Act (ADA) compliant, multi-functional, freestanding, and constructed of heavy steel. The unit shall be aesthetically pleasing and virtually impervious to damage, and shall include a high quality, vandal resistant, hands-free communications device.

1.2 The communication system (Code Blue CB3100) shall be designed so that a single touch on the communications device button shall immediately and automatically dial a preprogrammed number. This shall simultaneously activate an optional peripheral device such as a remote preset for closed circuit television (CCTV). Immediately after establishing the phone connection with the receiving party, the communications device shall be capable of sending a signal identifying the specific unit being activated.

2.0 CONSTRUCTION

2.1 The unit shall be a concentric steel cylinder (bollard) with a 12.75 inch diameter, a .25 inch wall thickness and a height of 60 inches. The unit shall be manufactured with a 30 degree backward slope to the top.

2.2 Tamper resistant fasteners manufactured by the McGard Company shall be used. It shall not be possible to enter the unit or remove any component without a special computer designed bit-wrench designed for this purpose. These bit-wrenches are supplied only by the manufacturer of the unit. All other types of fasteners shall not be acceptable due to the abundance of non-proprietary tools available for their removal.

2.3 The unit shall have an internal anchor baseplate that is fully welded to the bollard two inches above its base. The baseplate shall be fabricated with a minimum .50 inch thick A-36 grade steel plate, and shall have a 5 inch diameter center hole for electrical conduit access, as well as four oblong holes on an 8 inch circular bolt pattern for anchor bolts.

2.4 The unit shall have an access opening for anchor mounting and electrical wiring that is near the base of the bollard.

2.5 The opening shall have a cover plate, flush with the unit, whose wall thickness and radius shall be the same as that of the bollard. The cover plate shall fit precisely into the opening, have a weather resistant gasket to prevent water from entering the unit, and shall be held in place by two each 1/4-20 by 1 inch countersunk, tamper resistant, proprietary fasteners as supplied by the manufacturer.

2.6 An opening shall be cut into the face of the unit at a point beginning 36.64 inches above the bottom of the cylinder. The opening shall be 14.36 inches high at the forward edge, and 12 inches high at the rear edge. The lower edge of the surface shall be sloped, from the rear to the front, at 35 degrees from the horizontal. The upper horizontal edge of the opening shall constitute an arc of 160 degrees in the

face of the unit, and the sides of the opening shall be parallel and of the same length.

2.7 The opening shall be totally enclosed by a 7 gauge steel faceplate that shall have an opening to allow for a communications device that shall be recessed into the faceplate. The faceplate shall be seal welded to the bollard so that the faceplate and the bollard appear to be one piece.

3.0 MOUNTING

The freestanding unit shall be mounted onto four bolts that are set in concrete. Standard 3/4 x 24 galvanized anchor bolts with galvanized nuts and washers shall be used. Unit shall mount one-half inch above the concrete to allow air movement.

4.0 ELECTRICAL

4.1 All electrical components shall have quick-disconnect terminals for easy service or removal. All wiring shall be concealed within the bollard and shall not be visible from the outside of the unit.

4.2 The unit shall require 24 VAC and draw a maximum of 0.5 amperes under normal operation. The entire unit shall be surge protected.

4.3 The speakerphone shall require 20 mA loop current at the unit. A 22 to 26 AWG shielded twisted pair cable shall be used. Longer cable runs shall require the heavier gauge cable.

5.0 LIGHTS

5.1 Faceplate light: A long life, LED light fixture shall be concealed within the unit above and directly forward of the communications device. This fixture will direct light onto the communications device faceplate, and shall be vandal resistant.

6.0 COMMUNICATIONS

6.1 The unit shall have a high quality, vandal resistant and ADA compliant speakerphone communications device.

6.2 Standard Speakerphone: (Code Blue CB3100-s)

The speakerphone shall be Code Blue CB3100 and have one 1.5 inch piezoelectric button labeled “PUSH FOR HELP,” one 3/8 inch diameter red light emitting diode (LED) labeled “Call Placed,” and one 3/8 inch diameter green LED labeled “Call Received.” The speakerphone shall have an internally mounted electronics enclosure, auxiliary power, and shall be capable of playing up to two digitally stored voice messages upon activation. The electronics enclosure shall be capable of using interchangeable faceplates: a single-button faceplate, a two-button faceplate, or a two-button faceplate with keypad. The speakerphone shall be programmable from a remote location and have a three number dialing capability per button. Battery backup shall be rated for 16 hours of active talk time and 32 hours of standby. Line powered phone devices, DIP switch programming, and push-to-talk devices are not acceptable.

6.3 The CB3100 speakerphone shall have the following standard features:

- Three number dialing capability up to 16 digits per button.
- Remotely programmable.
- Remote electronics mounting (extendable up to 5' with optional 3' ribbon extension).
- Three reporting inputs (aux one input has optional activation).
- Two output relays (optional aux 2 salvable to aux 1).
- Remote control speaker volume adjustment.
- Silent monitoring mode, password protected.
- Remote control two step microphone sensitivity adjustment.
- Programmable passwords.
- Programmable conversation time.
- Allows the black button on a keypad phone to act simply as a hook switch or as a speed dial button before allowing keypad use (for auto dialing into automated systems).
- Detects inaudible hang-up commands from the phone system to allow the CB3100 to detect more accurately when the operator has disconnected from the call.
- Allows for the lockout of "during call commands."
- Internal watchdog timer to detect and restart the micro controller after a lock up.
- Supports the RPD diagnostic routine that tests the integrity of the microphone and speaker when used with the FP series faceplates.
- RS485 data jack to allow a RS485 device to activate the phone.
- Programming option to set the number of times voice message(s) are played.
- Capable of using interchangeable faceplates-single button, dual button and dual button with keypad.
- Re-playable message(s) on demand.
- Output sound level >80 dB at 1 meter for normal conversation.
- Waterproof 3.5-inch speaker.
- Waterproof microphone.
- Operating temperatures of -40°F to +150°F (-40° to +65°C).
- Conformal coated speakerphone electronics to withstand harsh environments.
- Capable of playing messages simultaneously at the unit and to the call center.
- EEPROM Memory ensures that programming is retained during power loss.
- Capable of notification when AC power has been off for 15 minutes.
- Auxiliary power supply, battery back up – 16 hours active talk time, 32 hours standby time.
- Highly flexible two stored voice identifiers – includes four modes of operation.
- Easily integrate with CCTV, alarm systems and other security equipment.
- Compatible with 4+1 Express and 4+2 Express Formats.
- Optional AMPS cellular transceiver.
- Optional 2.4 GHz transceiver.
- Complies with FCC Part 15 and TIA/EIA/IS-968.

7.0 FINISH

7.1 The unit shall be finished with a coating process known to be highly graffiti resistant and UV resistant.

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
B117 Salt Spray Resistance

7.3 The polyurethane finish shall be a multicoat system available in 10 standard colors and custom colors as specified by the user and approved by the manufacturer.

7.4 The primer coat and finish coat shall each have a minimum coverage thickness of 2.0 mils.

7.5 Other types of protective finishes are not acceptable.

8.0 GRAPHICS

8.1 The graphics shall be a durable engineering grade reflective vinyl for high visibility and

legibility.

8.2 The standard graphics text shall be “Emergency,” “Assistance,” “Security,” “Courtesy,” and shall be available in 30 inch lengths. Standard colors shall be “reflective white,” “reflective blue,” and “reflective black.”

9.0 OPTIONS

9.1 An optional two-button version (Model CB3100-d) or a keypad version of the phone (Model CB3100-k) shall be available.

9.1.1 The two button version (CB3100-d) shall be as follows:

- There shall be a button labeled “Push for Help.” This button when touched will automatically activate the strobe and place a call.
- There shall be a button labeled “Info.” This button when activated shall automatically place a phone call to the pre-programmed number(s).

9.1.2 The keypad option (Model CB3100-k) features shall be as follows:

- There shall be a button labeled “Push for Help.” This button when touched will automatically activate the strobe and place a call.
- There shall be a button labeled “Call.” This button shall open the phone line for calls to be made from the keypad.

9.2 There shall be an option of customized paint colors and graphics. Colors other than standard shall be available based on RAL number specified by the user and approved by the manufacturer.

10.0 APPROVALS

The unit in its standard configuration shall be certified by a recognized third party testing organization to conform to UL 60950-1/CSAC22.2 No. 60950-1-3.

11.0 WARRANTY

The unit shall be warranted for a period of two years. Reference manufacturers warranty for further details.

12.0 MANUFACTURER

12.1 The Manufacturer shall be Code Blue Corporation of Holland, Michigan. There are no equivalents.

12.2 Code Blue Corporation manufactures its products according to the most recent revision of our product specifications, and shall not be held responsible for obsolete or outdated specifications. For the latest revision, please refer to www.codeblue.com.