



1.0 GENERAL DESCRIPTION

- 1.1 The unit shall be an easily identifiable, vandal resistant communications device that is Americans with Disabilities Act (ADA) compliant, multi-functional, wall or pole mounted, and constructed of rugged high-density polyethylene. The unit shall be aesthetically pleasing and almost impervious to damage, and shall include a high quality, vandal resistant, handsfree communications device, with an optional remote mount combination blue strobe and beacon that serves to identify the unit from a great distance.
- 1.2 The system 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 the blue strobe light and 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 unit that has been activated. The strobe shall continue to flash, drawing attention to the location until the receiving party terminates the call.

2.0 CONSTRUCTION

- 2.1 The housing shall be manufactured of .188-inch thick, high-density, molded polyethylene. The unit shall be 11 inches wide, 15.2 inches high, and 3.75 inches deep. The front of the housing shall have tamper-resistant fasteners molded into the body.
- 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 the purpose. These bit-wrenches are available only from 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 color and wall thickness shall be consistent and uniform throughout the housing. There shall be no deformities, contamination, or under-cured product.
- 2.4 The unit shall be weather resistant, UV resistant, and available in safety yellow color.

3.0 MOUNTING

- 3.1 The unit shall attach to the wall with four each 3/8 x 3 inch masonry type anchors that are included with the unit.



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 enclosure and shall not be visible from the outside of the unit.
- 4.2 The unit shall require 12-24v AC or 12-30v DC and draw a maximum of 0.47 amperes under normal operation. The phone line shall be factory surge protected and the installer shall follow all local codes for unit grounding and surge protection.
- 4.3 The speakerphone shall require a minimum of 20 mA loop current at the unit. A 22-26 AWG shielded twisted pair cable shall be used. Longer cable runs shall require heavier gauge cable to maintain 20 mA loop current at the unit.

5.0 LIGHTS

- 5.1 See Section 8 of this specification for the available light options.

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 FP1)
 - 6.2.1 The speakerphone shall be Code Blue CB3100 FP1 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:

7.0 GRAPHICS

- 7.1 The standard graphics text shall be "EMERGENCY" and shall be available in black with 1 inch tall letters. The text shall be located vertically on the sides of the housing.



8.0 OPTIONS

- 8.1 The unit shall be capable of utilizing a remote mount combination blue beacon and strobe unit with a mounting bracket. See the S-550 Combo Blue Beacon/Strobe Product Specification guide for further details.
- 8.2 An optional two-button version (Model CB3100 FP2) or a keypad version of the phone (Model CB3100 FP2-K) shall be available.
- Three number dialing capability; up to 16 digits per button
 - Capable of using interchangeable faceplates including: single-button , dual-button and dual button with keypad
 - Remotely programmable
 - Replayable message(s) on demand
 - Remote electronics mounting (extendable up to 5' with optional 3' ribbon extension)
 - EEPROM (memory) ensures that programming is retained during power loss
 - Two output relays (optional Aux 2 slaveable to Aux 1)
 - Operating temperatures of -400F to 1500F (-400 to 650 C)
 - Three reporting inputs (Aux 1 input has optional activation)
 - Conformal coated speakerphone electronics to withstand harsh environments
 - Capable of notification when AC power has been off for 15 minutes
 - Output sound level >80dB at 1 meter for normal conversation
 - Remote control two-step microphone sensitivity adjustment
 - Internal watchdog timer to detect and restart the microcontroller after a lockup
 - Remote control speaker volume adjustment
 - Waterproof microphone
 - Programmable passwords
 - Waterproof 3" speaker
 - Programmable conversation time
 - Allows for the lockout of "During Call Commands"
 - Programming option to set number of times voice message(s) are played
 - Capable of playing messages simultaneously at the unit and to the caller center
 - Auxiliary power supply/power back up: 16 hours active talk time, 32 hours standby time
 - Highly flexible, two-stored voice identifiers — includes four modes of operation
 - Silent monitoring mode, password protected
 - Compatible with 4+1 Express and 4+2 Express formats

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- Supports the Remote Programming & Diagnostic (RPD) routine that tests the integrity of the microphone and speaker when used with FP faceplates
- 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
- RS485 data jack allows a RS485 device to activate the phone
- Easily integrates with CCTV, alarm systems and other security equipment
- The FP2-K (keypad) model allows the black button to act as a hook switch or as a speed dial button before allowing keypad use (for auto dialing into automated systems)
- Complies with FCC Part 15 and TIA/EIA/IS-968

8.2.1 The two-button version (CB3100 FP2) 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 “Info.” This button when activated shall automatically place a phone call to the pre-programmed number (s).

8.2.2 The keypad option (Model CB3100 FP2-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.

9.0 WARRANTY

9.1 The unit shall be warranted for a period of two (2) years. Reference manufacturer’s warranty for further details.

10.0 MANUFACTURER

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

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