



### 1.0 GENERAL DESCRIPTION

- 1.1 The unit shall be a vandal-resistant, high quality DSP-based full duplex analog speakerphone, intercom and paging device, model IA4100 from Code Blue Corporation, no substitutions. It shall have user programming capabilities, reliability, auxiliary functions, fault monitoring and reporting, and Public Address System control. Standard touch sensitive buttons, cast bezels with Braille signage, dual call progress indicators and conformal coated PCBs set the industry standard for an emergency communications device.

### 2.0 CONSTRUCTION

- 2.1 The speakerphone shall measure 8.5" W x 11.75" H x 2.56" D with six screw holes and weigh approximately 6 lbs.
- 2.2 The faceplate shall be constructed of 0.104" thick stainless steel with custom-designed, vandal-resistant microphone and speaker openings.
- 2.3 An 8.5" W x 11.75" H x 0.96" D rubber gasket shall be on the back of the faceplate.
- 2.4 A stainless steel screen shall be mounted between the faceplate and speaker for additional vandal resistance and weatherproofing.
- 2.5 A 3.5" weatherproof speaker and optional keypad shall be mounted via .50" stainless steel studs, locking washers and lock nuts.
- 2.6 Piezoelectric buttons that are self-monitoring and contain no mechanical parts shall be mounted in a cast aluminum bezel via locking nut and rubber washer.
- 2.7 Button bezels shall be made of cast aluminum and mounted via stainless steel studs, locking washers and lock nuts.
  - 2.7.1 Optional ADA Compliant Tactile and fully customizable bezel designs made of acrylic and aluminum shall be available.
- 2.8 One .42" red LED light and one .42" green LED light will be utilized beneath CALL PLACED and CALL RECEIVED signals.
- 2.9 Aluminum stand offs and locking washers shall be utilized to mount conformal coated electronics. A molded plastic housing shall be secured with aluminum standoffs, locking washers and stainless steel screws. Weatherproof modular connectors shall be utilized for external power, auxiliary, PAS control, communication, audio output connectivity.
- 2.10 Faceplate shall have an optional four-coat paint process, with zinc-rich primer for corrosion resistance and baked-on polyurethane enamel for maximum gloss and shine.
  - 2.10.1 Optional clear coating process available to provide additional environmental protection.



### 3.0 FEATURES

- 3.1 The enclosure shall be capable of using interchangeable faceplates: single button, two button or two button with keypad.
- 3.2 The unit shall have nine number storage capabilities, and nine digital messages with up to 30 seconds each.
- 3.3 The unit shall have four button inputs.
- 3.4 The unit shall also have two auxiliary inputs/three auxiliary outputs.
  - 3.4.1 Three Normally Open/Three Normally Closed
- 3.5 The unit's sleep mode < 4 mA power draw
- 3.6 The unit shall have multiple programming options, including silent monitoring from a remote location, immediate PAS mode and programmable ring time.
- 3.7 The unit shall have self-monitoring capability and fault reporting for loss of power, low battery voltage and PAS speaker/amplifier.
- 3.8 There will be multiple password protection levels for security.
- 3.9 It shall be built with powerful DSP technology.
- 3.10 It shall have an operational temperature of -40° to 70° Celsius (-40° to 158° Fahrenheit).

### 4.0 POWER

- 4.1 12-24V AC/DC primary power supply
- 4.2 12V DC auxiliary power supply
- 4.3 SLA/AGM battery backup:
  - 4.3.1 504 hours standby
  - 4.3.2 40 hours talk time
- 4.4 Non-volatile memory ensures programming is retained during power loss.

### 5.0 COMPLIANCE

- 5.1 Americans with Disabilities Act (ADA) compliant
- 5.2 UL 62368-1 when installed in a Code Blue Help Point®
- 5.3 CSA C22.2 No. 62368-1 when installed in a Code Blue Help Point®
- 5.4 NFPA 72 Chapter 24 (2010) compliant
- 5.5 Meets NEMA 3 requirements when installed in a Code Blue Help Point®



### 6.0 OPTIONS

- 6.1 The IA4100 FP1 shall have a single 38mm self-monitoring data button for activation. The button shall be labeled PUSH FOR HELP, EMERGENCY or EMERGENCY/EMERGENCIA.
- 6.2 The IA4100 FP2 shall have one 38mm and one 28mm self-monitoring data button for activation. The primary button shall be labeled PUSH FOR HELP, EMERGENCY or EMERGENCY/EMERGENCIA. The secondary button shall be labeled INFO.
- 6.3 The IA4100 FP2K shall have one 38mm and one 28mm self-monitoring data button for activation and a standard telephone keypad. The primary button shall be labeled PUSH FOR HELP, EMERGENCY or EMERGENCY/EMERGENCIA. The secondary button shall be labeled CALL.
- 6.4 A cellular option is available to provide connection through a wireless network.

### 7.0 WARRANTY

- 7.1 The IA4100 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.

### 8.0 MANUFACTURER

- 8.1 The Manufacturer shall be Code Blue Corporation. 800-205-7186, 259 Hedcor Street, Holland, Michigan 49423. [www.codeblue.com](http://www.codeblue.com). THERE ARE NO EQUIVALENTS.