1.0 RESPONSIBLE PARTY

1.1 Any and all questions or correspondence regarding this document and specifications herein shall be directed to:

Code Blue Corporation
92 East 64th Street
Holland, MI 49423
616-392-8296

2.0 SCOPE

2.1 This document is intended to provide complete and accurate specifications of the IA4100 product offering by Code Blue Corporation for the purpose of inclusion in project specifications, requirements and recommendations required by potential users of Code Blue products and services.

2.2 The IA4100 will be referred to as “unit” throughout this document.

2.3 Code Blue Corporation will be referred to as “manufacturer” throughout this document.

3.0 PRODUCT DESCRIPTION

3.1 The unit shall be a vandal resistant, high quality DSP based, ADA compliant full duplex speakerphone. The speakerphone shall have a minimum of one 1.5“ piezo button labeled “PUSH FOR HELP”, “EMERGENCY” or “EMERGENCY/EMERGENCIA” in raised red lettering on white background with Braille symbols. The speakerphone shall be a single enclosure comprised of all electronics with serviceable speaker, microphone, piezo button and PCB components. The enclosure shall be capable of using interchangeable faceplates: a single piezo button faceplate, a two piezo button faceplate or a two piezo button faceplate with keypad. The speakerphone shall be capable of auxiliary and battery power sources. The speakerphone shall have storage capacity for up to 9 messages of 30 seconds each and up to 9 phone number storage. The speakerphone shall be programmable from via DTMF tones or a ToolVox system with UPD software activated. Fault reporting shall be by UPD software management system or by placing outgoing calls and message playback. The speakerphone shall be capable of having a SLAD battery backup attached for up to 504 hours of standby and up to 40 hours of talk time. The speakerphone shall have a 600 Ohm line level audio output and amplifier control for mass notification system control and functionality. The unit shall have in call commands for controlling PAS and unit speaker volumes, call timers, audio path and auxiliary and outputs.

4.0 CONSTRUCTION

4.1 The faceplate shall measure 8.5” x 11.75” (width and height, respectively) and be constructed of .125” thick stainless steel with custom designed vandal resistant microphone and speaker openings. The unit will consist of an 8.5” x 11.75” x .12” inch rubber gasket on the back of the faceplate. A stainless steel screen shall be mounted between the faceplate and speaker for additional vandal resistance and weatherproofing. The 3.5” weatherproof speaker shall be mounted via .5” stainless steel studs, locking washers and lock nuts. Button bezels shall be made of cast aluminum and mounted via stainless steel studs, locking washers and lock nuts. The optional keypad shall be mounted via .5” stainless steel studs, locking washers and lock nuts. Buttons shall be mounted in a cast aluminum bezel via locking nut and rubber washer. 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. A mounting clip for optional backup battery shall be provided. Weatherproof modular connectors shall be utilized for external power, auxiliary inputs and outputs, PAS control, FXO and audio output connectivity.

5.0 FEATURES

- Nine (9) number storage capabilities
- Nine (9) digital messages with up to 30 seconds each
- 4 Button inputs
- 2 Auxiliary inputs/3 Auxiliary outputs
  - 3 Normally Open/3 Normally Closed
- 12-24v AC/DC primary power supply
- 12v DC auxiliary power supply
- Sleep mode < 4 mA power draw
- SLA/AGM battery backup:
  - 504 hours standby
  - 40 hours talk time
- Multiple programming options including:
  - Silent monitoring from a remote location
  - Immediate PAS mode
  - Programmable ring time
- Self-monitoring capability and fault reporting:
  - Loss of power
  - Battery low voltage
  - PAS Speaker/Amplifier

- Multiple password protection levels for security
- Built with powerful DSP technology
- Enhanced speakerphone and microphone sensitivity
- Operational temperature: -40C to 70C (-40F to 158F)
- Non-volatile memory ensures programming is retained during power loss
- Conformal coated PCBs; weather resistant construction
- ADA-compliant with Braille signage
- Two highly visible LED indicators for hearing impaired

6.0 OPTIONS

6.1 The single piezo button version (IA4100 FP1) shall have a single piezo button for unit activation. The piezo button shall be labeled “PUSH FOR HELP”, “EMERGENCY” or “EMERGENCY/EMERGENCIA” with ADA compliant Braille symbols.

6.2 The double piezo button version (IA4100 FP2) shall have two piezo buttons for unit activation. The primary data piezo button shall be labeled “PUSH FOR HELP”, “EMERGENCY” or “EMERGENCY/EMERGENCIA” with ADA compliant Braille symbols. The secondary piezo button shall be labeled “INFO” with ADA compliant Braille symbols.

6.3 The double piezo button with keypad version (IA4100 FP2K) shall have two piezo buttons for unit activation and a standard telephone keypad with Braille symbols. The primary piezo button shall be labeled “PUSH FOR HELP”, “EMERGENCY” or “EMERGENCY/EMERGENCIA” with ADA compliant Braille symbols. The secondary piezo button shall be labeled “CALL” with ADA compliant Braille symbols.

7.0 WARRANTY

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

8.0 MANUFACTURER

8.1 The manufacturer shall be Code Blue Corporation of Holland, Michigan. There are no known equivalents.

8.2 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 or contact Code Blue Corporation directly.