



## EXTERNALLY POWERED, EMERGENCY SPEAKERPHONE

Code Blue's **IA4100** (InterAct 4100) analog speakerphone technology is the most advanced on the market today. User programming capabilities, reliability, vandal resistance, ruggedness, auxiliary functions, fault monitoring and reporting, and Public Address System control represent the fifth generation of continuous improvement to meet customers' needs.

Standard "touch sensitive buttons," cast bezels with Braille signage, dual call progress indicators and conformal coated PCB's set the industry standard for an emergency communications device.

The speakerphone is designed to support Code Blue's Blue Alert® Mass Notification System with single pair connectivity – simplifying installation and existing system retrofitting. Blue Alert, NFPA 72®, 2010 ECS (Chapter 24)-compliant, allows flexibility in announcement delivery by providing text-to-speech, live broadcast, pre-recorded messages and warning tones options, as well as announcement repeat and scheduling features. The optional software (Emergency Management Systems and Unit Programming & Diagnostics) allows multiple unit template programming, audio storage, phone and public address e-mail fault reporting, and manages all incoming emergency and non-emergency events with an easy-to-use Graphical User Interface.

The Code Blue **IA4100** speakerphone fulfills the need for effective, reliable emergency communication and enhances full system integration.

### STANDARD FEATURES

- ▶ Nine (9) number storage capabilities
- ▶ Nine (9) messages with up to 30 seconds each
- ▶ 2 Auxiliary inputs/3 Auxiliary outputs (3 NO or 3 NC)
- ▶ 12-24v AC/DC primary power supply
- ▶ 12v DC auxiliary power supply
- ▶ SLA/AGM battery backup:
  - 504 hours standby
  - 40 hours talk time
- ▶ Multiple programming options including:
  - Silent monitoring from a remote location
  - Programmable ring time
- ▶ Self-monitoring capability and fault reporting:
  - Loss of power
  - Battery low voltage
- ▶ Highly flexible, digitally stored voice identifier (standard)
- ▶ Multiple password protection levels for security
- ▶ Built with powerful DSP technology
- ▶ Enhanced speaker and microphone sensitivity
- ▶ Operational temperature: -40°C to 70°C (-40°F to 158°F)
- ▶ 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
- ▶ Optional dual button faceplate and optional keypad
- ▶ Sleep mode

### ADDITIONAL FEATURES

#### TOOLVOX® COMMUNICATION MANAGER / UPD DEPLOYMENT

- ▶ Emails Fault status report about phone
- ▶ Emails Fault status report about PAS

#### PUBLIC ADDRESS SYSTEM DEPLOYMENT

- ▶ "Green technology" - low power draw
- ▶ Single pair connectivity to control both IA4100 and PAS products
- ▶ PAS speaker/amplifier fault control
- ▶ Secured 2-way mode (default)
- ▶ Amplifier monitor:
  - Temperature Fault
  - Amplifier Fault
  - Clipping Fault

### AUXILIARY POWERED SPEAKERS

*Why specify an auxiliary (i.e., externally) powered phone?*

The phone's source of power falls into two categories: line or externally powered.

Line powered phones acquire their power from voltage supplied through the phone line. Several advantages include the need for only one power wire as both communication and power are supplied through the one telephone wire. Line powered phones also cost less to manufacturer. However, the amount of available current through the phone line is very small, providing power for a ringer and communication, but not much else. This finite current supply severely limits line powered phones – especially the inability to incorporate high quality speakers and microphones due to their higher current draw. The audio presented from a line powered speakerphone and also the microphone sensitivity is effective only over very short distances because sufficient power is not available to amplify the signals. Length of wire from the CO or switch can also impact a line powered phone as resistance in the wire reduces the available power over distance. The power loss over as little as 1,500 feet could be enough to cause poor operating performance or no functionality at all.

Externally powered phones, like the IA4100, do not suffer from these limitations. In fact, the opposite is true. Since its 1998 introduction, our externally powered phone family performed at over 99.9% reliability in the field, and its acoustic performance separates it from any other competitive speakerphone. The IA4100 phone has a backup battery providing 504+ hours (3 weeks) of standby, uses very high quality speakers and microphones, and is not limited by the distance from the switch.

The IA4100 is the only choice for the security-minded customer demanding reliable performance.



### FACEPLATE OPTIONS



#### IA4100 FP1

Standard speakerphone with single red *Push for Help* button



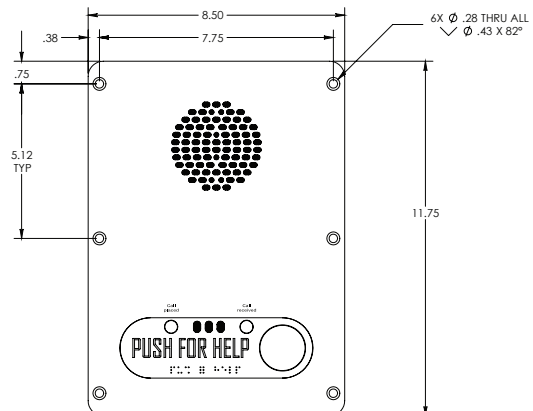
#### IA4100 FP2

Optional speakerphone with additional black *Info* button



#### IA4100 FP2-K

Optional speakerphone with additional *Call* button and keypad



Mounting hardware and template for unit is shipped in advanced for foundation work. Specifications subject to change without notice or obligation on the part of the manufacturer.