



1.0 GENERAL DESCRIPTION

- 1.1 The unit shall be a full duplex VoIP speakerphone, intercom and paging device using SIP standards that can be surface or flush mounted and constructed of heavy stainless steel, model IP2500 from Code Blue Corporation, no substitutions. It shall have a single enclosure comprised of all electronics with serviceable speaker, microphone, single- or dual-button options and PCB components. It shall be available with an optional remote-mounted blue/beacon that serves to identify it from a great distance.

2.0 CONSTRUCTION

- 2.1 Surface Mount: The unit shall measure 7.375" W x 7.125" H x 2" D and be fabricated of 16-gauge stainless steel. The housing shall consist of two pieces, permitting back plate to be installed during the rough in and the faceplate/electronics during completion. The back shall have four holes for mounting hardware.
- 2.2 Flush Mount: The faceplate shall be fabricated of 12-gauge stainless steel, and the flush mount box shall be assembled to the faceplate and fabricated of 14-gauge painted steel. The flush mount box shall be 8.25" square and 2.3" deep. The faceplate shall be 9" square and provide an overlap to eliminate additional trim work.
- 2.3 The unit shall have a self-monitoring data button for activation and shall be labeled "PUSH FOR HELP", "EMERGENCY" or "EMERGENCY/EMERGENCIA" with ADA-compliant Braille symbols.
 - 2.3.1 An optional dual-button faceplate shall be available with a second self-monitoring button labeled "INFO" with ADA-compliant Braille symbols.
- 2.4 A stainless steel screen shall be mounted between the faceplate and the 3.5" weatherproof speaker for additional vandal resistance, and mounted via .50" stainless steel studs, locking washers and lock nuts.
- 2.5 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.
 - 2.5.1 Optional ADA Compliant Tactile and fully customizable bezel designs made of acrylic and aluminum shall be available.
- 2.6 One .42" LED light and one .42" LED light will be utilized beneath CALLING and ANSWERED signals.

3.0 MOUNTING

- 3.1 Surface mount: It shall attach to the wall with four anchors that are provided by others.

Architectural & Engineering Specifications

3.2 Flush mount: It shall be inserted into the wall cavity and anchored in place by others.

4.0 ELECTRICAL

4.1 All wiring shall be concealed within the enclosure and not be visible from the outside.

4.2 Power: PoE IEEE 802.3af or 802.3at.

5.0 FEATURES

- Dual Account Registration for Redundancy
- 1MB memory storage for phone numbers and audio messages
- Phone numbers up to 255 digits long
- SIP/IAX2 Protocol Support
- STUN client for NAT transversal
- UDP, TCP and TLS
- 1 x IEEE 802.11 10/100 Ethernet Ports
- Embedded web server
- Security includes: HTTPS, Transport Layer Security (TLS), SRTP (RFC3711) SIPS, RTCP, VLAN and Password Protection
- DTMF inband/out of band/INFO
- One data button input
- One auxiliary NO output contact closures with programmable timing capability
- Codec Support: G.711 uLaw/aLaw, G.726 fixed payload, G.726 (16kbps), G.726 (24kbps), G.726 (32kbps), G.726 (40kbps), G.722 (HD voice), G.729, DVI4 Narrowband/Wideband
- Self-monitoring and fault reporting: communication service, button failure, speaker failure and microphone failure
- Message playback options: Multiple and repeating options during call placed, multiple and repeating options during call received, and message playback during a call via DTMF commands
- In Call Commands via DTMF: Auxiliary output control, speaker volume +/-, microphone volume +/- and message playback
- Built-in scripting language provides advanced button and diagnostic report programming
- Built with powerful DSP technology
- Enhanced speakerphone and microphone sensitivity
- Operational temperature: -40 to +70 °Celsius (-40 to +158 °Fahrenheit)
- Conformal coated PCB for environmental protection and operation
- Corrosion resistant connectors
- Non-volatile memory ensures programming is retained during power loss

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6.0 FINISH

- 6.1 The unit shall be stainless steel with a number 4 brushed finish.
- 6.2 The unit 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.
 - 6.2.1 Optional clear coating process available to provide additional environmental protection.

7.0 OPTIONS

- 7.1 Please refer to the associated Architect and Engineering Specification for the following equipment:
 - 7.1.1 Remote mount blue beacon/strobe

8.0 COMPLIANCE

- 8.1 Braille symbols and one LED indicator for ADA compliance.
- 8.2 UL 2017 certified
- 8.3 FCC certified
- 8.4 Connects with Lenel OnGuard to monitor phone and call status.
- 8.5 Compatible with Genetec Sipelia Communications Management module.
- 8.6 Delivers event notifications to OnSSI Ocularis video management software.

9.0 WARRANTY

- 9.1 The IP2500 shall be warrantied against any defects in material and workmanship, under normal use, for a period of two 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.

10.0 MANUFACTURER

- 10.1 The Manufacturer shall be Code Blue Corporation. 800-205-7186, 259 Hedcor Street, Holland, Michigan 49423. www.codeblue.com. THERE ARE NO EQUIVALENTS.