1.0 GENERAL DESCRIPTION

1.1 The unit shall be a vandal-resistant, high quality, DSP-based full duplex IP speakerphone, intercom and paging device with advanced protocol support, model IP5000 from Code Blue Corporation, no substitutions. It shall have a real time, non-open source, proprietary operating system. It shall have a single enclosure comprised of all electronics with serviceable speaker, microphone, button and PCB components.

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 4.93 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.

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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   Self-monitoring and fault reporting for loss of power, PAS amplifier/speakers (if attached), battery voltage and button, speaker, microphone and keypad failure. Built-in scripting language provides advanced button and diagnostic report programming.

3.3   The speakerphone shall have a 3MB memory capacity for the storage of phone numbers and audio messages, and be capable of configuration from a central TFTP server or embedded web GUI. Fault reporting shall be by SNMP management system or by custom script for placing outgoing calls and message playback.

3.4   The speakerphone shall have a 600 Ohm line level audio output and amplifier control.

3.5   The unit shall have an embedded Layer 2 Switch with 3 Ethernet ports, one capable of being connected to a PoE network switch.

3.6   The unit will have dual account registration for redundancy.

3.7   The speakerphone will be able to handle phone numbers with up to 255 digits each, and have an instantaneous dialing speed depending on the network.

3.8   Security features include HTTPS with 10-minute login use timer, Transport Layer Security (TLS) redundant with HTTPS, VLAN and password protection.

3.9   Message playback options: multiple and repeating during both call placed and call received, and message playback during a call via DTMF commands.

3.10 Operational temperature shall be -40° to +70° Celsius (-40° to +158° Fahrenheit).

3.11 Built with powerful DSP technology with enhanced speakerphone and microphone sensitivity.

3.12 In-call commands via DTMF: auxiliary output control, speaker volume, microphone volume, PAS volume and message playback.

3.13 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.

3.14 STUN client for NAT transversal.

3.15 UDP, TCP and TLS.

3.16 Embedded web server.

3.17 DTMF inband/out of band/INFO.

3.18 Four data button inputs.

3.19 One auxiliary Normally Open (NO) input contact closure and two auxiliary NO output contact closures with programmable timing capability.

4.0 POWER

4.1 Power over Ethernet IEEE 802.3af or 802.3at.

4.2 12-24V AC/DC @ 400mA.

4.3 12V DC with battery monitoring for Solar/Night Charge systems.

4.4 Optional SLA/AGM battery backup, with up to 16 hours of talk time/standby.

4.4.1 Non-volatile memory ensures programming is retained during power loss.

5.0 COMPLIANCE

5.1 Braille symbols and two highly visible LED indicators for ADA compliance.

5.2 FCC certified.

5.3 Connects with Lenel OnGuard to monitor phone and call status.

5.4 Delivers event notifications to OnSSI Ocularis video management software.

5.5 Compatible with Cisco Unified Communications Manager.

5.6 Compatible with Genetec Sipelia Communications Management module.

5.7 UL 60950-1 and UL 2017 listed when installed in a Code Blue Help Point®.

6.0 OPTIONS

6.1 The IP5000 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 IP5000 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 IP5000 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.

7.0 WARRANTY

7.1 The IP5000 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

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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. THERE ARE NO EQUIVALENTS.

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