1.0 GENERAL DESCRIPTION

1.1 The unit shall be a vandal-resistant, communications device that is a multi-functional wall-mounted enclosure constructed of stainless steel, model Centry® from Code Blue Corporation, no substitutions. It shall include a fixed IP color camera and a high quality, hands-free communications device illuminated by a high intensity LED station beacon light that serves to easily identify it from a distance.

2.0 CONSTRUCTION

2.1 The unit shall be a two-piece construction, with both pieces constructed of 12 gauge, 304 grade stainless steel, with a custom-designed, vandal-resistant camera and microphone/speaker.

2.2 The unit’s dimensions shall be:

2.2.1 Flush Mount: 4.5” W x 10” H x 3.125” D and weigh approximately 4 lbs. with a 0.125” thick faceplate and four tamper-resistant screw holes.

2.2.2 Surface Mount: 4.75” W x 10.25” H x 2.875” D and weigh approximately 4 lbs. with a 0.125” thick faceplate and four tamper-resistant screw holes.

2.3 A 50mm weatherproof speaker shall be mounted via 2” stainless steel studs, locking washers and lock nuts.

2.4 25mm programmable ring lit piezoelectric buttons that contain no mechanical parts shall be mounted into the faceplate.

2.5 Raised bezel lettering shall be made of injected urethane. Standard wording options are Assistance and Emergency. Available text colors are Black, Blue and Red.

2.5.1 Custom colors and wording shall be available.

2.6 Stainless standoffs and locking washers shall be utilized to mount conformal coated electronics. A plastic plate shall be secured with stainless standoffs, locking washers and stainless steel screws.

3.0 MOUNTING

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

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

4.1 Power over Ethernet IEEE 802.3af (15.4 maximum wattage) and PoE+ IEEE 802.3at (25.5 maximum wattage).

4.2 12V DC @ 350mA for PoE and 600mA for PoE+.

4.3 Optional SLA/AGM battery backup, with up to 16 hours of talk time/standby.
   4.3.1 Non-volatile memory ensures programming is retained during power loss.

5.0 LIGHTS

5.1 The curved LED Station Beacon shall measure 4.5” W x 0.375” H.

6.0 VIDEO

6.1 The faceplate shall include a fixed IP color camera with a 0.25” CMOS sensor.

6.2 The camera shall have a 125° fixed focus wide angle lens with three RTSP streams available with up to 1080p resolution and up to 30 frames per second (FPS). Light sensitivity shall be 600 mV/Lux-sec.

6.3 Compression codecs shall be H.264, MPEG-4 and Motion JPEG.

7.0 COMMUNICATIONS

7.1 The enclosure shall be capable of one button or two button options.

7.2 The speakerphone shall be capable of peer-to-peer audio communication.

7.3 The speakerphone shall have a 4GB 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.

7.4 The speakerphone shall have a 8 Ohm line level audio output.

7.5 The unit shall have three Ethernet ports, one capable of being connected to a PoE network switch.

7.6 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.

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

7.8 In-call commands via DTMF: speaker volume and microphone volume.

7.9 Codec support: G.711a (PCMA), G.711u (PCMU), G.722, G.729, GSM, L16, iLBC, Opus, Speex.

7.10 STUN client for NAT transversal.
7.11 UDP and TCP communication protocols.
7.12 Embedded web server.
7.13 DTMF inband/out of band/INFO.
7.14 Three auxiliary Normally Open (NO) input contact closures and three auxiliary NO output contact closures with programmable timing capability.

8.0 FINISH

8.1 Unit shall be painted in two of Code Blue’s custom wet coat colors. The top portion of the faceplate shall be painted Dark Gray; the bottom shall be Bright Silver.
   8.1.1 Optional colors shall be available.
8.2 Optional engineering grade reflective vinyl graphics shall be available for the surface mount for high visibility and legibility.

9.0 OPTIONS

9.1 Please refer to the associated Architect and Engineering Specification for the following equipment:
   9.1.1 Remote mount blue beacon/strobe.
   9.1.2 Curb mount.

10.0 COMPLIANCE

10.1 Braille lettering and highly visible LED lights for ADA compliance.
10.2 NEMA 3 compliant.
10.3 UL 60950-22 compliant.
10.4 UL 62368-1 compliant.
10.5 NFPA 72 compliant.

11.0 WARRANTY

11.1 Centry® shall be warranted 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.
12.0 MANUFACTURER

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