



IP1300 Rugged, VoIP, Multi-Function Phone

Architectural & Engineering Specifications

1.0 GENERAL DESCRIPTION

- 1.1 The unit shall be a highly-rugged, high quality, DSP-based full duplex VOIP, five button, hands-free phone with service handset, model IP1300 from Emcom Systems, no substitutions.

2.0 CONSTRUCTION

- 2.1 The phone shall measure 15.0" High x 12.25" Wide x 4.0".
- 2.2 The phone shall be constructed of 12 gauge, passivated, stainless steel with a vandal-resistant microphone and speaker openings.
- 2.3 The patron interface plate shall be sealed to the main enclosure with a UL-approved neoprene gasket. The service door shall be sealed with a UL-approved foam gasket.

3.0 MOUNTING

- 3.1 The phone shall be mounted to the Emcom IP1300B bracket utilizing the two blind nuts installed on each side of the unit. The four blind nuts shall accept 5/16-18 x 3/4" mounting bolts. Mounting bolts shall be provided with the Emcom IP1300B.
- 3.2 The phone shall be fully compatible with the Emcom IP1300B mounting bracket.

4.0 FEATURES

- 4.1 A 2.5" diameter submersible speaker shall be mounted via .50" stainless steel studs, locking washers and lock nuts. A UL-approved silicone rubber gasket shall seal the speaker to the panel.
- 4.2 A stainless steel screen and water repellent cloth shall be mounted between the faceplate and speaker for additional vandal resistance and weatherproofing.
- 4.3 The phone shall be activated utilizing the primary patron "PUSH IN CASE OF EMERGENCY" button on the external patron interface plate. Located above the activation button shall be an illuminated red phone symbol.
- 4.4 The primary activation button shall have corresponding grade 2 Braille that reads "PUSH IN CASE OF EMERGENCY".
- 4.5 All of the activation buttons are illuminated red through a fiber-optic configuration. Each button shall contain illuminated red text that corresponds to the function of each button.

- 4.6 Located behind the stainless steel door, the phone shall have four activation buttons. Each activation button shall be individually configured to call to a specific location. The lowest button operates as a mechanical switch and can be used in conjunction with the Emcom IP1300B bracket to disconnect power to a specific rail or location.
- 4.7 Behind the door shall be a 12 digit illuminated red keypad located above the four activation buttons.
- 4.8 The phone shall have a black, plastic handset attached to a durable Hytrel coil cord located behind the door.
- 4.9 The handset shall contain a hearing aid compatible earpiece and a noise-cancelling electret mouthpiece.
- 4.10 The hookswitch shall be a highly reliable, magnetic reed switch that activates the phone upon removal of the handset.
- 4.11 The phone shall contain highly reflective phone symbols on each side of the unit.
- 4.12 The main faceplate of the unit shall be secured to the housing with vandal-resistant screws.
- 4.13 The door shall be self-closing when opened less than 100 degrees. The door shall have a hinge mechanism to hold ajar when opened beyond 120 degrees.
- 4.14 The operating temperature range shall be -30°C to +60°C (-22°F to +140°F).
- 4.15 The phone shall have the option of connecting directly to an Ethernet line for short distances or configured with a DSL-Ethernet extender for distances up to 5,000 ft.
- 4.16 The digital signal processor shall include background noise reduction.
- 4.17 The phone shall have the ability to be programmed remotely including volume adjustments thru a web browser.
- 4.18 The phone shall be fully compliant with Emcom's EmVista Maintenance Software.

5.0 POWER

- 5.1 The phone shall be capable of being powered from 24-48 VDC.
- 5.2 Non-volatile memory shall ensure that programming is retained during power loss.



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6.0 CONNECTORS

- 6.1 The phone shall provide a hardened RJ-45 Ethernet port for communications.
- 6.2 The phone shall be powered through a sealed, bayonet-style circular DIN connector.

7.0 COMPLIANCE

- 7.1 The phone shall contain Braille symbols and color contrasted, illuminated activation buttons for ADA compliance.
- 7.2 The phone shall meet NEMA 4X requirements when properly installed with the Emcom IP1300B.

8.0 WARRANTY

- 8.1 The IP1300 shall be warrantied against any defects in material and workmanship, under normal use and proper installation, for a period of 2 years from the date of shipment by the manufacturer. If the unit is found to be defective within the warranty period, the manufacturer shall repair and/or replace any defective parts, provided the equipment is returned to the manufacturer.

9.0 MANUFACTURER

- 9.1 The Manufacturer shall be Emcom Systems. 609-585-5500, 127 Route 206 South, Suite 27, Trenton, New Jersey 08610. www.emcomsys.com. THERE ARE NO EQUIVALENTS.