

Architect and Engineering Specification

Model 261-001 Indoor and 271-001 Outdoor Hazardous Area Telephones

Phone shall operate on a standard analog phone line, capable of operating with DTMF signaling. Transmission shall be full duplex. A call is initiated by lifting the handset and using the keypad to dial. The handset receiver volume control shall be adjustable by pressing the handset pressbar.

Telephone hardware shall include Isolation Barrier to achieve Intrinsically Safe operational electric current levels and be compatible with BELL PUB 61100 Telephone network. Phone shall not require the use of sealed conduit for telephone cable installation and may be connected to existing customers twisted pair wire (24AWG min.) for approved operation.

Outdoor weatherproof telephone housing shall be constructed of high-impact, anti-corrosive polyester material. The unit shall be resistant to thermal degradation, and immune to chemicals, solvents and salts and rated Type 3R. The housing shall have a door with heavy-duty latch. A panel (containing the handset and keypad) shall be removable from the rear section of the housing to access the phone electronics and telephone line connection. The housing shall be 9.39W x 13.13H x 7.46D (inches). The phone shall weigh 8.2 pounds.

Indoor telephone shall be NEMA Type 12, high-impact, anti-corrosive, polyester material. The unit shall be resistant to thermal degradation, and immune to chemicals, solvents and salts. Telephone shall be completely sealed to prevent contaminant intrusion into electronics chamber. All mounting hardware shall be concealed and non-intrusive. The housing shall be 8.02W x 9.52H x 3.86D (inches). The phone shall weigh 6 pounds.

The handset shall be "G" style, volume control with noise-canceling microphone and hearing aid compatible receiver. The 6' cord shall be constructed of Hytrel® for added durability. The handset cradle shall be heavy-duty, with a non-movable, magnetic type hook-switch. The keypad shall be sealed Braille chrome plated. The phone shall contain a ringer with REN 0.4B.

The phones shall have an operating temperature range of -40°C to +60°C and relative humidity to 95% non-condensing.

The Isolation Barrier shall be anti-corrosive, polyester housing, resistant to thermal degradation, and immune to chemicals, solvents and salts. The housing dimensions shall be 9.27W x 13.02H x 3.86D (inches) and weigh 10 pounds.

The Intrinsically Safe Telephones shall be registered under FCC Regulations, IC Certified and UL and cUL Listed for use in hazardous installations:

- Class I, Division 1, Groups A, B, C and D;
Class II, Groups, E, F and G (Including Coal Dust), Class III.
- Division 2, (same Classes and Groups as Division 1).

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The telephone manufacturer shall be ISO 9001 Certified.

The Telephone shall be designed and developed directly by the manufacturer:

271-001, Outdoor Telephone, consisting of part number 272-001 Telephone and 263 Isolation Barrier.

261-001, Indoor Telephone, consisting of part number 262-001 Telephone and 263 Isolation Barrier.