

# Talk-A-Phone Co.

## Model ETP-100MB Hands Free Emergency Phone Architectural & Engineering Specification rev. 1/29/03

### 1 General Description

- 1.1 The Emergency Phone shall consist of a vandal resistant and ADA-compliant hands-free speakerphone communications device with a stainless steel faceplate and metal buttons.
- 1.2 The Emergency Phone shall be Talk-A-Phone model ETP-100MB, no substitutions, and have one anodized aluminum tactile button labeled "EMERGENCY" and one 0.375" diameter red light emitting diode (LED) labeled "LIGHT ON INDICATES CALL RECEIVED". The unit shall be programmable from a remote location and have a two number dialing capability, reverting to the second number if the first is busy or does not respond. The unit shall be totally hands-free on both sides after connection is initiated at site or by attendant. The unit shall be phone line powered, requiring no outside power source or battery back-up. DIP switch programming, push to talk devices, and devices requiring external power are not acceptable. The unit shall have a dedicated communication line.

### 2 Construction

- 2.1 Chassis, back box and face plate shall be constructed of #4 vertical brushed stainless steel.
- 2.2 Unit shall measure approximately 4.81" W x 8.81" H x 2.5" D.
- 2.3 Unit shall weigh approximately 5 lbs.
- 2.4 Signage shall be constructed of cast metal with lettering and Braille raised approximately 3/32" for ADA compliance. Word "EMERGENCY" shall be black.
- 2.5 Push button and switch shall be a single assembly rated for 1,000,000 cycles. Epoxy seals shall protect contacts and terminals from hostile environments and solder flux. Case shall be moisture-proof, dust-tight and designed to accommodate the high shock military specifications of MIL-STD-202, method 207. Case shall be aluminum alloy, anodized clear. Button shall be black anodized aluminum.
- 2.6 Speaker and microphone shall be protected by non-ferrous metal screen to provide a barrier against vandalism.

### 3 Features

- 3.1 Unit shall be capable of operating on standard phone lines or analog PBX extensions.
- 3.2 Unit shall dial at approximately 10 tones per second.

- 3.3 All programming shall be stored in non-volatile EEPROM memory.
  - 3.4 Button shall provide tactile feedback.
  - 3.5 Unit shall be programmable from a remote telephone via keypad entry.
  - 3.6 Call timer shall be programmable from 1 to 4320 minutes.
  - 3.7 LED for the hearing impaired shall illuminate to indicate when calling party may speak (when receiving party is silent).
  - 3.8 Unit shall be programmable with two different telephone numbers of up to 18 digits each including pauses. If first number does not answer or is busy, unit shall automatically call the second number. If that number is busy or does not answer, unit shall call the first number again. Unit shall continue alternating until call is answered or call timer limit is reached.
  - 3.9 Unit shall be capable of automatically notifying attendant of location via programmable 6 digit ID.
  - 3.10 Unit shall be capable of silent monitoring.
  - 3.11 Unit shall utilize tone dialing.
  - 3.12 When call is finished, unit shall automatically shut off.
  - 3.13 Unit shall answer any call placed to it from any other telephone.
  - 3.14 Two levels of programmable passwords shall be available.
  - 3.15 Unit shall be varistor lightening suppressed and full wave polarity guarded.
  - 3.16 Unit shall have parallel tip and ring connected to an RJ-11 connector for quick installation.
  - 3.17 Unit shall be compatible with Talk-A-Lert® diagnostics/base-station package, model ETP-TAL.
  - 3.18 Unit shall comply with Part 68 of the FCC rules for the United States.
- 4 Electrical
- 4.1 Unit shall be fully phone line powered, requiring no external power or battery back-up.
  - 4.2 One dedicated, twisted-shielded communication pair shall provide a minimum of 24VDC and 20mA while off hook.
- 5 Mounting

- 5.1 Unit shall be designed for surface mounting on a wall or in an elevator.
- 6 Options
- 6.1 Unit shall be available with built-in auxiliary input and two auxiliary outputs (add "AUX" to model number, e.g. ETP-100MB AUX).
    - 6.1.1 Auxiliary outputs and auxiliary input shall be opto-isolated from the telephone line to 1,000 volts.
    - 6.1.2 Outputs shall be activated, providing a dry contact closure, either automatically when Emergency Phone is activated or manually by guard keypad.
    - 6.1.3 Input shall allow unit to be activated by any device or switch that provides a contact closure.
  - 6.2 Unit shall be available with Intelli-Voice Location Identifier (add "V" to model number, e.g. ETP-100MBV).
    - 6.2.1 Message shall transmit as soon as call is answered.
    - 6.2.2 Message shall be repeatable upon request of operator.
    - 6.2.3 Message duration shall be programmable as 5, 10 or 16 seconds.
    - 6.2.4 Location identifier message and duration shall be programmable from remote location.
  - 6.3 Unit shall be available with built-in color pinhole camera (add "OPT 3" to model number, e.g. ETP-100MB OPT 3). For full specifications of Face Plate Cameras, contact Talk-A-Phone Co.
  - 6.4 Unit shall be available with Scream Alert™, model SA-1.
    - 6.4.1 Scream shall cause actuation of Emergency Phone. This requires "AUX" option.
    - 6.4.2 Gain level and duration of sound required to actuate Emergency Phone shall be adjustable.
  - 6.5 Unit shall be compatible with a radio frequency interface, model ETP-WTR, to create a private radio frequency system that can accommodate up to 200 Emergency Phones.
  - 6.6 Cellular Interface shall be available when phone line is not available.
    - 6.6.1 Transmission shall be tri-mode 800MHz TDMA/1900 MHz PCS/800 MHz AMPS, model ETP-CI.
    - 6.6.2 Transmission shall be 1900Mhz GSM, model ETP-CI/GSM.

6.7 Unit shall be compatible with a fiber optic interface available from International Fiber Systems (IFS).

7 Warranty

7.1 Equipment shall be warrantied against any defects in material and workmanship, under normal use, for a period of twelve months from date of installation. In the event 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.

8 Manufacturer

8.1 The Manufacturer shall be Talk-A-Phone Co. (773) 539-1100, 5013 N. Kedzie, Chicago, Illinois 60625, [www.talkaphone.com](http://www.talkaphone.com). THERE ARE NO EQUIVALENTS.