

# Talk-A-Phone Co.

## Model ETP-CI Cellular Interface

### Architectural & Engineering Specification rev. 1/29/03

#### 1 General Description

- 1.1 The unit shall be a tri-mode TDMA 800MHz/PCS 1900MHz/AMPS 800MHz fixed wireless terminal, model ETP-CI, no substitutions, designed to work with Talk-A-Phone Emergency Phones when no phone line is available.

#### 2 Construction

- 2.1 The unit shall have an ABS plastic cover and plastic base measuring 12" x 5.6" x1.5" not including power supply or antenna.
- 2.2 The unit shall weigh 2 lbs. not including antenna or power supply.

#### 3 Features

- 3.1 Interface shall operate on TIA/EIA-136B Air Interface Standard.
- 3.2 Unit shall operate within the following frequency ranges:  
TDMA & AMPS: 824-849 MHz (transmit), 869-894 MHz (receive)  
PCS (TDMA 1900): 1850-1910 MHz (transmit), 1930-1990 MHz (receive)
- 3.3 Unit shall have built-in signal-strength indication and self-monitoring capabilities for user diagnostics.
- 3.4 Unit shall provide exceptional voice quality with echo cancellation and digital voice/data privacy.
- 3.5 Unit shall use an RJ-45 interface jack that also accepts RJ-11 connectors for easy connection of Emergency Phone.
- 3.6 Unit shall have an operating temperature range of -10°C to + 50°C, 5% to 95% humidity.
- 3.7 Activation and assignment of phone number shall be performed by cellular service provider.

#### 4 Electrical

- 4.1 The unit shall have a maximum transmit power of 600mW and maximum AC power input of 10 W.
- 4.2 A 12 VDC input, 120VAC output power supply shall be included to provide an operating voltage of 11.5 VDC to 26 VDC.

## 5 Mounting

- 5.1 Antenna shall mount directly to Cellular Interface.
- 5.2 Cellular Interface shall be designed for simple desktop or wall-mount installation.

## 6 Options

- 6.1 1900MHz GSM version, model ETP-CI/GSM, shall have a maximum AC power input of 7 W at an operating voltage of 6 VDC, with a maximum transmit power of 1 watt.
- 6.2 NEMA enclosure, model ETP-CI/BOX, shall protect unit from the environment when not mounted inside an applicable Talk-A-Phone Emergency Phone mount.
- 6.3 Heater accessory shall be available for use with Cellular Interface in extremely cold environments.

## 7 Warranty

- 7.1 Equipment shall be warranted against any defects in material and workmanship, under normal use, for a period of one year 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.