

Talk-A-Phone Co.

PBX Systems

Architectural & Engineering Specification rev. 1/29/03

1 General Description

- 1.1 The Emergency Phone communication system shall consist of a full-featured, stand alone, distributed-control multi-microprocessor PBX, Talk-A-Phone PBX System, no substitutions, and up to 352 Talk-A-Phone Co. line-powered Emergency Phones. Emergency Phones requiring external power are not acceptable.

2 Construction

- 2.1 Card cages shall be rack-mounted and modular for easy expansion up to 352 Emergency Phones. Systems of greater than 352 stations shall be available by linking systems.
- 2.2 Initial card cage shall measure 12.5" H x 19" W x 11.5" D and weigh 30.4 lbs. when full (17 lbs. empty). Expansion cages shall measure 11.5" H x 19" W x 11.5" D and weigh 29.7 lbs when full (16 lbs empty).

3 Features

- 3.1 Unit shall have PBX feature set including: Conference calls, station messaging, toll restriction, caller ID, hunt groups, call coverage and speed dial.
- 3.2 Unit shall include a digital desk phone.
- 3.3 Unit shall not require use of CO lines. System shall be capable of accepting CO lines.
- 3.4 System shall provide 6 hours battery backup.
- 3.5 Pre-wired punch down blocks shall be provided.
- 3.6 PBX shall be provided fully programmed in advance, with CD backup of programming.
- 3.7 System shall accept up to 3 extra desk phones without need for extra expansion card.
- 3.8 System shall be compatible with all Talk-A-Phone Co. Emergency Phones.

4 Electrical

- 4.1 Emergency Phones shall be fully phone line powered, requiring no external power or battery back-up.
- 4.2 One dedicated, twisted communication pair shall provide a minimum of 24VDC and 20mA while off hook.

5 Mounting

- 5.1 Card cages shall be rack mountable. Key phones shall be desk or wall mounted.

6 Options

6.1 PBX Main Configuration

- 6.1.1 Model PBX-48 PBX Base System shall include ports for 16 Emergency Phones with expansion of up to 48 Emergency Phones.
- 6.1.2 Model PBX-136 PBX Base System shall include ports for 56 Emergency Phones with expansion of up to 136 Emergency Phones.
- 6.1.3 Model PBX-208 shall include a ports for 144 Emergency Phones with expansion of up to 208 Emergency Phones.
- 6.1.4 Model PBX-280 shall include a ports for 216 Emergency Phones with expansion of up to 280 Emergency Phones.
- 6.1.5 Model PBX-352 shall include a ports for 288 Emergency Phones with expansion of up to 352 Emergency Phones.

6.2 Expansion cards

- 6.2.1 Mother Board, model PBX-MB8, shall expand system when extra slots are available to allow connection of 8 additional Emergency Phones.
- 6.2.2 Daughter Board, model PBX-DB8, shall be added to Mother Board to expand system to allow connection of 8 additional Emergency Phones.

6.3 Accessories

- 6.3.1 Extra key phones, model PBX-PHONE, shall be available to enable multiple people to answer Emergency Phone calls.
- 6.3.2 Cordless key phone, model PBX-PHONE-2, shall be available to enable cordless operation.
- 6.3.3 Direct Station Selector, model PBX-100DS, shall allow for direct selection of up to 100 Emergency Phones.
- 6.3.4 Paging expansion unit, model PBX-PAGE, shall allow key phones to page through speakers available separately.

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. THERE ARE NO EQUIVALENTS.