

The **PA-SI-1** Speaker Interface is a 1-Watt Utility Audio Power Amplifier designed with the System Integrator in mind. The input is transformer balanced allowing several PA-SI-1's to be connected in tandem. Power comes from the PA-BUSS, to simplify wiring.

The audio quality of the PA-SI-1 is superb. The undistorted output is 1-Watt. The PA-SI-1 is fully protected against overloads. The unit automatically recovers when any overload is removed.

Modular Construction makes the PA-SI-1 ideal for integrated designs. The unit is small; mounting is flexible, and easy, so it is ideal for space conscious requirements. Mounting options include Snap Track or stud mounting. All signals are connectorized for ease of installation.

Power is from the Tech Works PA-BUSS connector. A current limited 24V DC is carried on the same connector as the audio from a variety of Tech Work CI-BUSS and PA-BUSS products.

PA-SI-1

PAGING SPEAKER INTERFACE

BENEFITS

- Versatile & Easy to Use
- Hi Quality Audio
- Low Distortion
- Fault Protected
- Powered by Other System Components

Associated Equipment

PA-16HT	Paging Loudspeaker
PA-402	Program and Paging Audio Power Amplifier
PA-HS	PA Handset

Design Information

Power	24V DC, .02A
Mounting	Snap Track or Stud
Dimensions	3" W x 3.3" D x 1.2" H
Weight	< 1 lb.
Freq. Resp.	150 to 14 k Hz
Input	10k/ohms – 0dBm Transformer Balanced R.F. and static electricity protected
Output	45 Ohms, 1 Watt Short protected
Distortion	< .1% T.H.D

Architects' and Engineers' Specifications

The Program and Paging Audio Amplifier shall be a professional quality unit with transformer balanced inputs. The amplifier shall be 1.2" High, 3" Wide, and 3.3" deep producing 1 watts into 45 ohms, with less than 0.1% distortion. The input shall be industry standard 0dBm at 10K ohms The amplifier shall include Tech Works PA-BUSS interface connector for integration with other PA-BUSS products. Products not fully compatible with Tech Works PA-BUSS technology will not be acceptable under these specifications. The power supply shall be 24 VDC 0.2 Amp.

The Paging Audio Amplifier shall be Tech Works Model PA-SI-1.

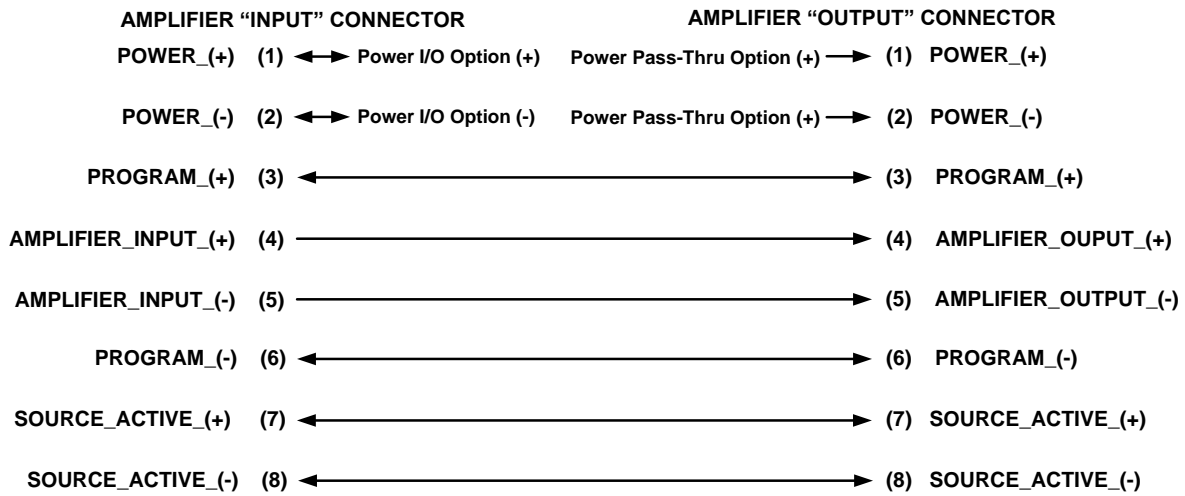


Tech Works®

"Making Specialized Communication Easy"



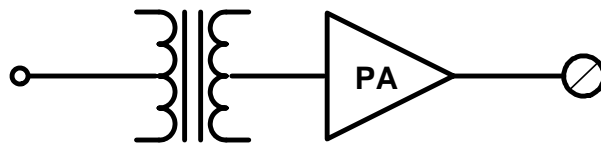
PA-BUSS, AMPLIFIER: Internal Signal Connections, to RJ-45 Connectors



Signal Pairing: (1,2) Power I/O; (3,6) Program/Music or Alert Status; (4,5) Audio; (7,8) Control

Functional Diagram

PA-BUSS
PAGE AUDIO PAIR



SPEAKER
OUTPUT

