Axis AX

Audio Converter

The Advanced AV-V70 is a Universal Audio Converter that converts any ANSI/UL Listed, maximum 40 Watt, 25 Vrms speaker circuit to a 40 Watt 70 Vrms speaker circuit. It is ideally suited to interface with the Advanced 40 Watt, 25 Vrms output off the AV-AMP-80 amplifier. The AV-AMP-80 amplifier is integral to the Advanced Axis AX “V” Series panels, AV-VBM Audio Panel, AV-VB Audio Booster and the Axis AX Series Command Centers.

The AV-V70 includes a 40 Watt, 70 Vrms Speaker Circuit Interface Module, an Audio Converter Transformer and a LED Power/Trouble Indicator Card, all mounted in an attractive, lockable enclosure. Each AV-V70 enclosure is capable of supporting two (2) 40 Watt, 70 Vrms Speaker Circuit Interface Cards and Audio Converter Transformers with the addition of an AV-V70-KIT. The maximum total available wattage is 80Watts @70 Vrms and two (2) independent Class A or Class B speaker circuits.

The enclosure can be supplied in either red or gray and can be located remotely from the 25 Vrms audio source. Remote mounting offers installation advantages, especially in retrofit applications.

All wiring between the AV-AMP-80 amplifier and the AV-V70 Audio Converter is fully supervised. In addition to getting wired to an existing speaker circuit, each 70 Vrms Speaker Circuit Interface Card requires power from either the “Host” fire alarm control panel or an ANSI/UL Listed 24 VDC nominal power supply



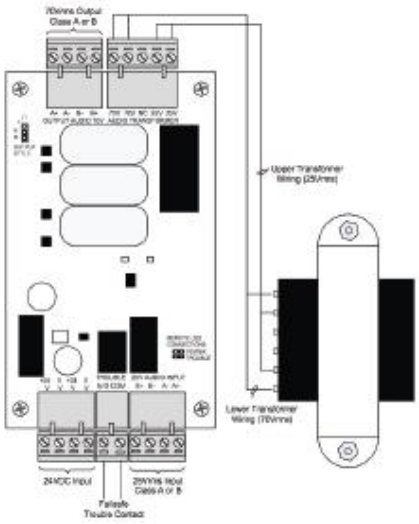
Features

- 25 Vrms to 70 Vrms Converter
- Fully Supervised - Allows Remote Mounting Options
- Single or Dual 40 Watt Speaker Circuits
- Class A or B Wiring
- Can Interface to any ANSI/UL Listed 25 Vrms Speaker Circuit (40 watt maximum)
- Attractive Lockable Enclosure
- Integral External Power & Trouble LEDs
- Numerous Internal Diagnostic LEDs
- Ideally Suited to Interface to AV-AMP-80 Amplifier

Listings and Approvals

- ETL ANSI/UL 864/1711/1481 Listed: 101564744NYM-001, 100027836NYM-001c

Wiring Diagram



Specification

Input Voltage (DC)	24 VDC (Wired from FACP or ANSI/UL listed power supply)
Operating Current	60mA
Trouble Contact	Failsafe, 1A @ 30VDC
Temperature	Indoor/dry Environment, 32-120°F (0-49°C)
Relative Humidity	93% Non Condensing (Max)
Dimension	12”H x 9”W x 3”D
Input Speaker Circuit	25 Vrms @ 40 Watt (max), Class A or B
Output Speaker Circuit	70 Vrms @ 40 Watt (max), Class A or B, End-of-line 100K

Order Codes and Options

AV-V70*	70 Vrms Universal Audio Converter
AV-V70-KIT	70 Vrms Speaker Circuit Interface Card and Audio Converter Transformer

* For gray enclosure, add the suffix “G” to the part number.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.