

TR-AM-50 Series Amplifiers

50 Watt Digital Amplifiers

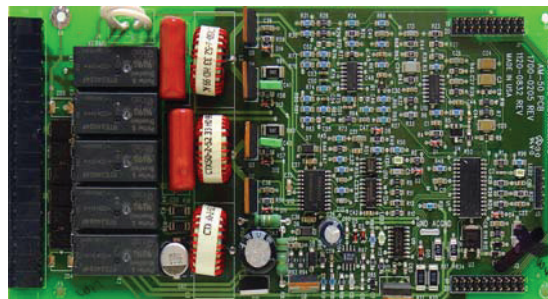
GENERAL

The TRIGA, TR-AM-50 Series amplifiers are a 50 watt, digital, switching power amplifier. The following lists the two types of TR-AM-50 Series amplifiers that may be ordered.

- The TR-AM-50-25 amplifier produces 25 V_{RMS} audio output.
- The TR-AM-50-70 amplifier produces 70.7V_{RMS} audio output. The amplifiers are components of the following GEN2 Series® Systems.
- GEN2 Series Expandable Emergency Evacuation System
- GEN2 Series Combined Fire and Mass Notification System
- GEN2 Series Broadband Voice Evacuation System

Each TR-AM-50 Series amplifier provides two speaker circuits that can be wired Style Y (Class “B”) or Style Z (Class “A”). The terminal connections can accommodate up to 12 AWG, twisted-pair, shielded wire. Both speaker circuits produce a combined total of 50 watts of power. The 50 watts of power can be divided between the two integral Class A/B speaker circuits. The two speaker circuits may be individually activated and supervised by an TR-INI-VGX Transponder Voice Gateway.

The TR-AM-50 Series amplifier can be programmed to broadcast sixteen messages generated from its local TR-INI-VGX Voice Gateway. In addition, the TR-AM-50 Series amplifiers produce superior clarity for intelligible LIVE voice paging.



TR-AM-50-25



TR-AM-50-70

INSTALLATION

As many as four TR-AM-50 Series amplifiers can be installed in the following cabinets when supervised and controlled by an TR-INI-VGX Voice Gateway.

- Cabinet B, INX CAB-B
- Cabinet C, INX-CAB-C
- Cabinet D, INX-CAB-D

NOTE: The TR-INI-VGX can support up to four TR-AM-50 Series amplifiers with the same output voltage. However, you cannot wire an TR-AM-50-25 amplifier and an TR-AM-50-70 amplifier to the same TR-INI-VGX Voice Gateway Node between the four amplifiers, max. of 150 watts are allowed.

The TR-AM-50 Series amplifiers can be installed using the TR-AM-50 Extender Plate whenever the GEN2 Series control panel is used in conjunction with the Autonomous Control Unit (ACU) of the GEN2 Series Combined Fire and Mass Notification System.

FEATURES & BENEFITS

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| <ul style="list-style-type: none"> • Listed under UL® Standard 864 • Listed under UL Standard UL2572 for Mass Notification • Complies with UL Standard 464 for 520 Hz Low Frequency | <ul style="list-style-type: none"> • Provides digital, switching amplifier technology • Produces 50 watts of digital power • Includes 2 speaker circuits, wired Style Y (Class B) or Style Z (Class A) | <ul style="list-style-type: none"> • Up to 4 TR-AM-50 Series amplifiers with the same output voltage can be controlled by the TR-INI-VGX voice gateway |
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Note: Specifications are subject to change without notice.



Technical Specifications

SPECIFICATIONS

TR-AM-50-25 Amplifier

Operating Voltage: 24 VDC (nominal) (from TR-PM-9G power supply)

Operating Current: 0.086 amp normal standby

Alarm Current: 2.206 amp max. alarm @ 50 Watt

Audio Output: 50 watts max. @ 25 V_{RMS}

TR-AM-50-70 Amplifier

Operating Voltage: 27.3 to 20.4 VDC

Operating Current: 0.049 amp normal standby

Alarm Current: 2.30 amp max. alarm @ 50 watt

Audio Output: 50 watts max. @ 70.7 V_{RMS}

TR-AM-50 Series Amplifiers

Relative Humidity: 0 to 93% max (non-condensing) at 90° F (32° C)

Operating Temperature: 32° to 120° F (0° to 49° C)

Dimensions: 7 1/2" W x 3 1/2" H x 1 1/4" D

STANDARDS

The TR-AM-50 Series amplifiers are designed to comply with the following standards:

UL Standards: UL864

UL2572 for Mass Notification

UL464 Low Frequency

ORDERING INFORMATION

TR-AM-50-25: TR-AM-50, 25V_{RMS} audio output, 50 watt amplifier

TR-AM-50-70: TR-AM-50, 70.7V_{RMS} audio output, 50 watt amplifier

AGENCY LISTINGS AND APPROVALS

For exact certification listings for each model, please reference the respective agency website.

UL listed

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Note: Specifications are subject to change without notice.