

WILLIAMS AV

Digi-Loop[®] 104

SMALL ROOM HEARING LOOP AMPLIFIER



FRONT



BACK

The Digi-Loop 104 offers venues all essential hearing amplifier functionalities of premium brands at an affordable price making it accessible to small and mid-sized organizations.

The amplifier was designed with installers and venues in mind. It features easy input and signal adjustment, loop monitoring and fault detection on a user-friendly front panel.

The single output, 4 Arms amplifier is best suited for perimeter loop system designs and can cover installations in rooms up to 919 ft² (180 m²). Audio

from the hearing loop provides discreet listening for listening for people with hearing loss, as the sound goes directly to a T-coil hearing aid or a Williams AV induction loop receiver.

As a high-efficiency class D amplifier it consumes less power and offers fanless convection for natural cooling, guaranteeing maximum power for small and medium-sized rooms. Its compact design allows it to fit into any space and can be wall-mounted using brackets. This assistive listening solution is ideal for assisted living/residential facilities, schools, meeting rooms, and more.

Key Features

- Class D amplifier
- Compact design
- Total efficiency up to 92%
- Fanless convection
- High output voltage up to 48Vpk
- Automatic Gain Control (AGC)
- Continuous loop monitoring and status indication
- Wall and rack mounting available
- Meets ADA / ADAAG guidelines

Applications

- Assistive Listening

Markets

- Meeting Rooms
- Education - Classrooms
- Waiting Rooms/ Reception Lobbies
- Assistive / Senior Living Facilities
- Transportation - gate/platform area

Specifications: DL 104 Small Room Hearing Loop Amplifier

| | |
|---|--|
| Dimensions | 1.7" H x 7.8" W x 8.5" D (42 x 200 x 215 mm) |
| Weight | 3.3 lbs (1.5 kg) |
| Operating temperature range | 32 to 113°F (0 to 45°C) |
| Storage temperature | -40 to 185°F (-40 to 85°C) |
| Power Supply Type | Integrated |
| Power Supply Voltage | 115/230 V (automatic) 50/60 Hz |
| Power (Output) | 200VA |
| Power (Consumption) | 6W |
| Nominal power consumption at 1 Ohm | 50W |
| Maximum input power | 500VA |
| Power Consumption at rest with connected loop | 14W at 230V AC, 2 loop of 1 Ohm connected, at ambient temperature after 30 minutes of stabilization. |
| MIC Input (100v) | 3 - Position terminal block (Pheonix) |
| Line-In | 3 - Position terminal block (Pheonix) |
| Power Supply | 12V 2mA |
| Input Sensitivity | -50dB micro, +40dB 100V, -10dB line |
| Loop Output | 2-Position Terminal Block (Pheonix) |
| Loop Integrity Indication | Loop impedance between 0.5 - 3.0 Ω |
| Output voltage | 34V rms |
| Output Peak Current | 8A |
| Output RMS Current | 4 Arms |
| Bandwidth | 80 Hz to 9.5 kHz at -3dB |
| LED Display | LED "Protect" light |
| Protect and Clip Fault Indication | DC current too high – Open loop – Thermal protection |
| Cooling | Natural cooling |
| IP rating | IP 20 |
| Frequency response | 40 Hz to 90 Hz |