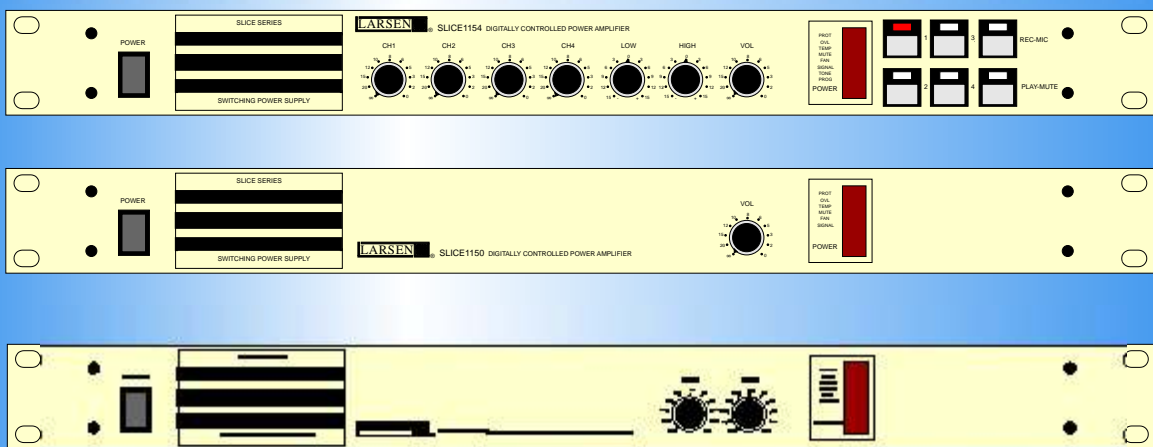
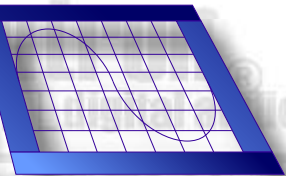


SLICE SERIES

Digitally-Controlled Power Amplifiers



LARSEN



DESCRIPTION

The SLICE series of amplifiers consist on small rack footprint amplifiers available for 100V line and conventional speaker work, with powers in the 150W and 300W range. Their output is transformer less and special precautions were taken to ensure no power inrush occurs when they are powered. A model is available with integrated pre-amplifier. All models have microprocessor-control and some feature a supervising serial interface.

FEATURES

- XLR electronic balanced I/O using instrumentation amplifiers and plastic coupling capacitors
- Multiple-feedback analog fully-complementary low TIM design for un-compromised audio quality
- Full RFI protection on all inputs/outputs, including mains filtering block
- EEC fully EN-55103-1 and EN-55103-2 compliant according to 89/336/EMC
- MOS-FET Output stage with safe-area protection and no output transformers on 100V models
- High-speed bipolar output stage with safe-operating area protection on low impedance models
- All static microcomputer-controlled low-level audio switching, no mechanical switches
- Soft-start power supply for less generated RFI and less power consumption
- Remote control on /485(also volume on /RVC) using a serial port and Windows™ software (optional)
- 485/RVC versions also feature a contact energized on amplifier failure.
- Internal problem counters will remember all occurrences for easy technical assistance
- Protection against high temperature, power, voltage and current excesses, DC and loudspeaker power-on thumps
- Cooling fan is temperature-controlled for less noise and mechanical wear.

- Simple user interface with 4 EEPROM configuration memories (1154), plus power loss recovery
- 4 channels configurable as line/microphone (1154)
- Simple yet powerful output 2-band equalization (1154)
- Mute available on all channels as well as EasyPort™ priority microphone inputs (1154)
- Alarm and ding-dong generation (100V models))

SPECIFICATIONS

Configuration

1154 150W 100V mono
4 mic/line inputs, stack output
EasyPort control, gong

1151(1301) 150W (300W)100V mono
1 line input, stack output,
slave amplifier

2152H 2x75W 100V
2 line inputs, 2 stack

2152(2302) 2x75W(2x150W) stereo
2 line inputs, 2 stack
2x4Ω output

Frequency response 20Hz - 20KHz ± 0.5dB (4Ω)
200-20000Hz +1, -2dB(100V)
Input-referenced noise (22Hz-22kHz/IEC-A) -110/-113dBu (mic)
-75/-85dBu(line)
Channel Crosstalk (2x2) <-70dB, 1kHz
Harmonic distortion 20Hz - 20KHz <0.5%
IMD 60Hz/7kHz <0.5%
Input impedance 100KΩ balanced
Stack output impedance 600Ω balanced (1154)
Nominal sensivity -8dBu (1154 line)
-50dBu (1154 mic)
0dBu (other models)

Clipping point on 1154

Common-mode rejection >40dB at 1kHz
1154 tone controls 20Hz/20KHz ± 15dB
Physical 1U 19" rack, 400 mm depth
(455 mm on 1301)
without controls

Weight

7Kg (1151, 1154, 2152)
9Kg (1301, 2302)

Power supply

230VAC±10%50-60Hz
@ 250VA (x15x)
@ 500VA (x30x)

Operating temperature

0-40°C, burn-in at 40°C

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Specifications may change without prior notice

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