

ALM771



AUDIO LEVEL MASTER

The ALM771 AUDIO LEVEL MASTER regulates audio program level so that the sound volume as perceived by the human ear will be consistent even when the source program material differs in amplitude by as much as 30dB. This 1000:1 input power variation is corrected to within 0.5dB of the desired audio level.

Each ALM771 regulates the audio power level of one monaural channel. Two ALM771 modules can be connected together with a control jumper wire to enable them to be operated in synchronism to control the level of a Stereo signal.

The ALM771 AUDIO LEVEL MASTER incorporates a Professional Noise Gating System to insure that the background sound remains at a constant level even during pauses in foreground speech. Program-Dependent Time Constants insure that sudden short term sound impulses such as gun-shots or door-slams do not affect background sound levels. The Dual Band Control system also insures that pulses of low frequency sound do not cause pumping of higher frequency program material.

The ALM771 will establish a consistent audio output level even when inputs from various program sources change as much as 30dB. It will do all this without noise in-rush, program pumping, ducking or any other audio artifact. You will have full audio level control without sacrificing any audio quality.

The ALM771 does not occupy any front panel rack space. The module is fully shielded against RF interference and is only 1-1/2" x 3-1/2" x 4-1/2" in size. The ALM771 is supplied with a mounting bracket that enables attachment to the rails at the front or rear of an equipment rack so that the ALM771 may be retrofitted into otherwise fully occupied equipment racks.

ALM771

AUDIO LEVEL MASTER

INPUT

LEVEL RANGE
IMPEDANCE
INPUT DISPLAY

SPECIFICATION

-14dBm to +24dBm
BALANCED BRIDGING (HIGH Z)
THREE COLOR L.E.D. INDICATORS

PROCESSING

SYSTEM
GATING

INFINITE RATIO LEVEL CONTROL
BROADBAND GAIN WILL FREEZE WHEN
LEVEL DROPS BELOW GATE THRESHOLD

TIME CONSTANTS

PROGRAM DEPENDANT:
3dB PER SECOND BELOW MAIN PLATFORM

CONTROL SYSTEM
SIBILANCE CONTROL SYSTEM

SPLIT SPECTRUM
HIGH FREQUENCY LIMITING

OUTPUT

LEVEL (Adjustable Steps)
IMPEDANCE
HARMONIC DISTORTION
SIGNAL TO NOISE RATIO
FREQUENCY RESPONSE

0 dBm, +4 dBm, +8 dBm,
LOW-Z, BALANCED
0.1% THD (.05% THD TYPICAL)
>80 dB, 40Hz-15 kHz @ NORMAL LEVEL
0.0dB TO -0.5dB, FROM 30Hz-15KHz

CONNECTORS

AUDIO
POWER

REMOVABLE SCREW TERMINAL PLUG
2.5mm x 5.5mm Female

MECHANICAL

PHYSICAL SIZE
RF SHIELDING
RACK MOUNT
POWER
POWER CURRENT

1-1/2" x 3-1/2" x 4-1/2"
CAST ALUMINUM FULLY SHIELDED
REAR RACK MOUNT ANGLE BRACKET
24 VDC POWER CUBE (SUPPLIED)
150mA

ALM771.SPC