

SPEAKER &
HEADPHONE
AUDIO LIMITER

THRESHOLD

MAX VOLUME



SIGNAL



ALERT



PROTECT



DRAWMER
SL22
SOUND LEVEL
LIMITER

PROTECTION FOR YOUR HEARING YOUR SPEAKERS & THE ENVIRONMENT

Whether you need to protect your speakers, your hearing whilst listening to headphones or your premises license the Drawmer SL22 Sound Level Limiter is the perfect tool for the job. By eliminating the possibility of 'un-authorized' sound pressure levels it offers strict level control and tremendous peace of mind in three distinct areas:



SAFEGUARD YOUR HEARING

Whilst using the dedicated limiting headphone amplifier the exposure to audio can be controlled to help prevent damage to the user's hearing and conform to Noise at Work Regulations.



PROTECT YOUR SPEAKERS

Prevent damage to speaker drivers and amplifier electronics by controlling the overall sound level as well as catching sudden unwanted signals such as 'bangs' and 'pops'.



CONFORM TO REGULATIONS

By calibrating and controlling venue noise levels and utilising tamper-proofing features your bar, club, theatre or school can conform to Local Authority Noise Regulations.

Key Features:

- Limiting speaker and headphone amplifier outputs
- Once installed completely eliminates 'un-authorized' volume levels
- No sound quality loss even during protection processing
- Large LED level indication for 'at a glance' monitoring of signals & warnings
- Time delay relays on outputs for clean power up/down
- Fast, simple installation and calibration
- Tamper-proof plate, bracket and security label limits access to settings and helps to conform to Local Authority/Noise at Work regulations
- Reduces 'call-out' costs of service engineers, sound system 'down time' and the consequential loss of venue income, as well as its reputation
- External control of Dim & Mute for connection to Fire Alarms or remote operation
- Logging inputs for both ALERT and PROTECT statuses
- Trigger output when in PROTECT mode

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SL22 SOUND
LEVEL
LIMITER

SL22 the sound level limiter that's designed for the job

The SL22 features an integral security plate, fixed with tamper-proof screws, to ensure that adjustments to maximum volume levels are implemented by authorised personnel only. Once removed setup is easy - two front panel controls are available: the first dictates the point at which 'protection' processing commences; the second sets the

absolute volume level to which the sound system is allowed to perform. If the incoming signal level is increased the transparent 'protection' circuitry is activated maintaining the specified system volume level without degradation in sound quality.

Three LED indicators complement the simple setup with clear, 'at a glance' monitoring.

As well as balanced input and output XLRs the SL22 features a dedicated limiting headphone amplifier, that works in exactly the same manner, and allows conformity to Noise at Work regulations. In addition, the SL22 can be controlled remotely via a fire alarm or operator, with further connections to allow data logging, or external visual indication.



SIMPLE SETUP - ONLY 2 CONTROLS

CLEAR 'AT-A-GLANCE' MONITORING



TRIGGER EXTERNAL DISPLAY TO SHOW PROTECTION OCCURRING



CONNECT TO FIRE ALARM or EXTERNAL CONTROL



BALANCED OUTPUTS to ACTIVE SPEAKERS or AMPLIFIER AND SPEAKERS



SECURITY

The SL22 features an integral tamper-proof security plate to ensure that adjustments to maximum volume levels are implemented by authorised personnel only. A 'void' security label is provided to be placed across to give further protection and show evidence of tampering with the settings. The rear XLR's can be 'locked' by using an optional tamper-proof bracket.

Specification (subject to change without notice)

INPUT	
Input Impedance	20k Ohms
OUTPUT	
Output Impedance	100R
Headphone	
Output Impedance	110R
Gain Range @ Output	-30dBu to +44dBu
Recommended O/P Level	0dBu
Crosstalk	> 90dB at 10k Hz
Noise	
(Unity gain / 22Hz-22kHz)	-93.5dB

For more information visit the website: www.drawmer.com,
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