

SOUND MONITOR



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The Technology, Sound and Vision Model CSM-2 is a Calibrated Sound Monitor, programmable for a wide range of sound levels and environmental situations meeting noise control legislation guidelines.

It is used in Function Centres, Entertainment Venues and industrial applications where sound levels are limited to comply with the local authority requirements.

When the sound level has exceeded the preset levels, the unit will temporarily render the controlled sound equipment dysfunctional by either removing the source of power or disconnecting the audio feed as appropriate to the situation.

SOUND MONITOR

SPECIFICATIONS

System Operating Voltage:	240v AC 50Hz
Main Control Unit:	Powered from 240/16 Volt, 1.5 Amp AC Plugpack
Visual Display Unit: 240V AC model available.	Lamp Supply, 24V DC LEDs, optional
Sensitivity:	60dB to 29dB.
Response:	LINEAR: +/- 1dB, 30Hz to 6KHz, or "A" WEIGHTING as per "A" curve or LO-PASS: -3dB point Factory set at 200Hz. Range adjustable from 50Hz to 1kHz. Roll-off at 24dB per octave.
LED Level Display:	-18VU to 9VU in 3dB steps.
Trigger Level:	+/- 0.5dB.
"ON" Delay	Switchable, 2, 4 or 6 seconds.
"OFF" Delay	2, 20 seconds OR remote reset.
Timing Accuracy:	+/- 2%
Relay Contacts:	Change-Over, 3 Amps.
VISUAL DISPLAY UNIT (VD)	Green Lamp: -12VU Blue Lamp: -6VU Red Lamp: 0 VU (Trigger)

*Calibration by Bruel & Kjaer 4230 Calibrator or equivalent.

*Specifications subject to change without notice.

SENSING MICROPHONE

This is a precision instrument reproducing a flat sound level response over the entire audible frequency range. The microphone is located within the area to be monitored as determined by the authorities and wired back to the main control unit.

Should the microphone be disconnected or the cable cut, the inhibit relay in the unit will operate.

CONTROL UNIT

Installed in an area usually accessible by responsible staff. Access to the controls within the cabinet requires a key.

Features:

- Audio attenuator with a range setting from 60 to 129dB.
- Selector switch to enable an audio response of Linear, "A" weighting or a Lo-Pass filter to be set.
- On delay time switch 2, 4 or 6 seconds.
- Off delay time switch 2, 20 seconds or remote re-set function.
- Function switch for calibrating and testing purposes.
- LED VU Level meter.
- LED Microphone fault indicator.
- LED Exceed indicator.
- LED Trigger indicator.
- LED Inhibit indicator.
- LED Power on indicator.
- Change-over relay contacts from inhibit relay.

VISUAL DISPLAY UNIT

Usually mounted in the vicinity of the band or disco to provide a visual display of the audio levels.

Three lamps are incorporated

Green – Indicates levels 12dB below threshold

Blue – Indicates levels 6dB below threshold

Red – Indicates threshold level