

The Blue Box

Entertainment Noise



- Established, proven design
- Cost effective solution to Noise control problems
- Clear visual warning of excessive noise levels
- Robust , tamper proof construction
- Automatic Operation
- Easy to Install
- Recommend by Environmental Health Officers
- Optional 'trip' counter'

We all enjoy a party, wedding, watching live entertainment or meeting with friends whilst listening to music and having a drink. Unfortunately our enjoyment is not always shared by nearby residents of these venues who may find other peoples noise disturbing.

The problems of Entertainment noise are well documented and in many venues difficult to resolve. City centre buildings often suffer from poor sound insulation that cannot easily be remedied. Customers need to get in and out of any venue and in summer many places need to have open windows for comfort. The recent anti smoking laws in European countries have increased this problem and have resulted in more noise escaping and exacerbating existing noise nuisance problems.

The Pulsar Blue Box Noise Controller assists the effective management of these problems. Noise levels are continuously measured and if a pre-set level is reached, a clear warning is shown via the LED display.

The Disc Jockey, musicians or manager can clearly see when noise levels are becoming unreasonable so the power should never need to be cut. However in extreme cases where these warnings are ignored that is exactly what happens for about 20 seconds, the Blue Box then automatically restores the power.

The Pulsar Blue Box has the advantage over some other similar devices in that it is designed and manufactured by an International company specialising in the accurate measurement of noise. Alternatives to this type of unit involve complex noise control methods such as acoustic insulation which can be very expensive.

The Pulsar Blue Box is easy to set up and Local Government Officials, most of whom have specialist noise expertise, find it has much in common with their own professional units.

Applications

- Hotels
- Discotheques or Clubs
- Public Houses
- Entertainment evenings at Sports or Social Clubs
- Special Events

In Use

A competent electrician installs the Pulsar Blue Box so that the Stage area or Disco power is supplied by the Blue Box and not by a normal wall socket. A microphone, on a 10 metre lead, is plugged into the Blue Box and this monitors the sound level from a pre-determined position. A clear vertical row of bright LED's show the current sound level and if the sound is too loud, the top red LED will light and the group or DJ has just enough time to turn down the volume or the power is cut. The power is automatically restored after a few seconds.

Normally, the required maximum level in the venue is set by the local authority by comparing the noise level in the venue with their sound level meter. An internal level control is supplied for this purpose. The case of the Blue Box is then sealed and the Environmental Health Officer can be reasonably sure that the maximum level is not exceeded. The Time constant of the detector approximates to 'S' response, as this has been found to be the best compromise between speed of reaction and too many trips.

If the unit is tampered with or the microphone is removed, the power is automatically turned off. The unit is housed in a very secure steel case to prevent damage and is equipped with a key-locked front, to ease access for maintenance and prevent unauthorised access. Although the customer can choose, the frequency weighting is normally set to dB(B), as this gives a good approximation to dB(A) after the attenuation of the building structure.

Specifications

Trip level range	85 to 110dB
Frequency weightings	internally switched A, B or C to IEC 60651
Maximum power out	16A (A 30 A relay is used)
Automatic reset delay	Set from 10 seconds to 60 seconds
Trip counter	(optional) 0 to 9999 trips
Time weighting	longer than IEC 60651 'S' weighting - adjustable in manufacture
Microphone	MK181A supplied with 10 metre extension cable
Dimensions	210 x 350 x 80mm
Weight	4Kg



Ordering Information

BB2	Blue Box Entertainment Noise Controller
TCBB	Optional Trip Counter

The Blue Box is supplied with microphone, cable, plus instruction and installation manuals. Two keys are supplied.



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