

# PREMIER SOLUTIONS

11 Ascot Park Estate, Lenton Street, Sandiacre, Nottingham, NG10 5DJ, United Kingdom  
Tel: 0115 9394122 Fax: 0115 9490453 E-Mail: info@premier-solutions.biz



## PRODUCT INFORMATION

### G920A

### Eagle Noise Limiter

**\*\*\*\* Protect Your Licence \*\*\*\***

This unique "Noise Monitoring System" is designed to protect the valuable licence in places of public entertainment. This clever unit continuously monitors the pre-set sound level. As the noise level approaches the set level a warning light will illuminate. Once the set level is exceeded, any mains supply connected through the unit will be disconnected (Usually the mains sockets on stage, into which visiting bands or discos connect). The power remains disconnected for a period that you set. If the venue has a sound system permanently installed, then an additional interface can be added (G920C) that automatically turns down the sound system, without disconnecting the mains supply. A remote indicator panel (G920B) is available for mounting "on stage" or in the "DJ box" to enable the performers to see when they are in danger of being disconnected. Up to four indicator panels may be connected to one G920A control unit.



**Automatically disconnects the mains supply when a preset noise level is exceeded**

**"Normal", "Warning" and "Disconnect" warning lights**  
**Adjustable "Time off" setting**

**Key Switch Authority "Enable/Disable"**

**Remote pick-up microphone supplied (Fits standard UK 13A Socket Back Box)**

**Anti-Tamper circuit**

**Fire Alarm interface connection**

**Optional remote indicator Panel available (G920B)**

**Optional "Audio Interface" available (G920C) Turns down the house sound system**

Simple to install and operate, this system automatically limits the sound output in places of public entertainment, avoiding costly prosecutions and closures. The unit is fitted with an internal 40A 4 pole circuit breaker and has a remote microphone unit supplied that fits any standard BS1363 backing box (85mm square). The unit continuously monitors the sound level and displays a green LED under normal running conditions, An amber LED is lit when sound levels reach 6db below the threshold you set. At 3db below the threshold a red LED will light. If the sound level crosses the threshold the red LED will flash and the contactor will switch off. After the "off time" has elapsed the contactor will switch on again.

#### G920A TECHNICAL SPECIFICATION

Dimensions: 286 × 225 × 82mm

Weight: 1.9kg

Power requirements: 230V ~ 50Hz 5VA

Switching capacity: 4 × 400V 40A

Monitoring range: 70db to 110dB

Weighting "A" or "C" to EN60651

Microphone Panel

Dimension: 85 × 85 × 26mm

Weight: 0.1kg

Microphone type: Electret condenser Omni directional

Connections: Krone-style terminals

Backing Box: Standard UK 13A Socket Box

Standards

EN60065 Electrical Safety

EN55103 Electromagnetic Compatibility

EN60651 Microphone response

Will work as 3 Phase and Neutral,

4 single phase

or 2 x single phase live and neutral

#### OPTIONAL EXTRAS



**G920B**  
**Remote Indicator Panel**



**G920C**  
**Audio Interface**

**SEE OUR WEB SITE FOR MORE DETAILS: [www.premier-solutions.biz](http://www.premier-solutions.biz)**



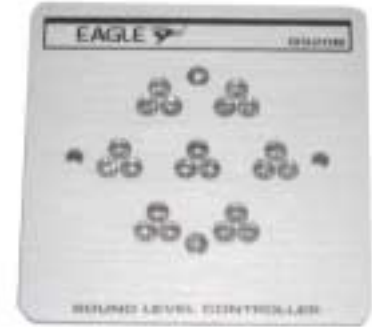
## PRODUCT INFORMATION

### G920B

## Remote Indicator Panel

for G920A Noise Limiter

Useful 'add-on' to the G920A Noise limiter control panel. This, high brightness, LED indicator panel plugs directly into the control panel and acts as a warning indicator to performers, when their sound levels are approaching, the noise limit that you have set. Up to four of these panels can be connected to one G920A controller. Changes Colour to Indicate when Set noise level is approached or exceeded



Uses 21, highly visible, Super Bright LEDs  
Shows "Green" for Normal, "Amber" 6dB below set noise level,  
Red 3dB Below set level  
Flashes "Red" when power is disconnected  
Flashes "Amber" when Anti-Tamper circuit is activated  
Flashes "Green" for Fire Alarm circuit  
Up to four can be connected to one G920A Control panel

**G920B**  
**TECHNICAL SPECIFICATION**  
Dimension: 85 × 85 × 26mm  
Weight: 0.1kg  
LEDs: 21 super-bright  
Connections: Krone-style terminals  
Backing Box: Standard UK 13A  
Socket Box  
Standards  
EN60065 Electrical Safety  
EN55103 Electromagnetic  
Compatibility  
EN60651 Microphone response

### G920C Audio Interface

for G920A Noise Limiter



Useful 'add-on' to the G920A Noise limiter control panel. This, plug in, additional panel allows the G920A to continuously monitor the noise level of a permanently installed sound system. Connections are made between the audio mixer and the power amplifiers. When the G920A senses that pre-set levels have been exceeded, it limits the level transmitted to the amplifiers, automatically keeping the sound down to your pre-set level.

Plugs directly into the G920A Control panel  
Stereo 3 Pin XLR connections  
Does not affect the monitoring for the power circuits "on stage" which will work simultaneously  
Does not turn "off" the house sound system

**G920C**  
**TECHNICAL SPECIFICATION**  
Dimensions: 113 × 93 × 40mm  
Weight: 0.1kg  
Audio Input 775mV rms (0dBm) balanced  
Audio Output 0-775mV rms (-94dBm to 0dbm) quasibalanced  
Maximum attenuation: 94dB  
Connections: 3-pin XLR  
Input: Female  
Output: Male  
Connections: pin 1 = ground  
pin 2 = signal+  
pin 3 = signal-  
Standards  
EN60065 Electrical Safety  
EN55103 Electromagnetic Compatibility  
EN60651 Microphone response