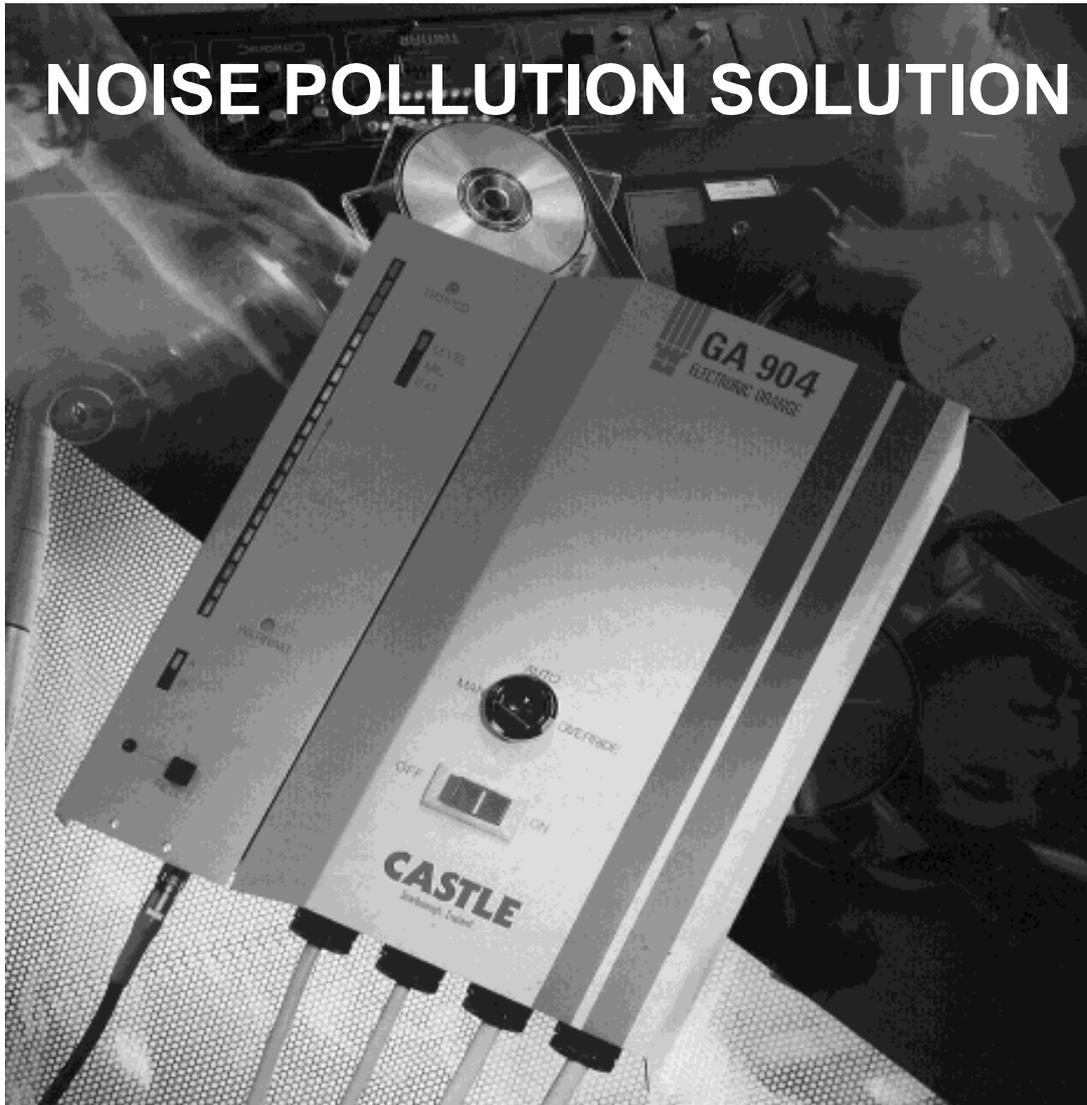


# THE ELECTRONIC ORANGE

EASY TO INSTALL • SIMPLE TO OPERATE • ANTI - TAMPER PROTECTION



## NOISE POLLUTION SOLUTION



noise



vibration



INVESTOR IN PEOPLE



In danger of losing your licence through **Noise Complaints** ? Are you complying with the Health & Safety legislation - The solution is simple, effective and inexpensive.

**Let the music play !** - with The Castle Electronic Orange Noise Controller.

Everybody likes to party, but it's all too easy to let music levels get out of hand - and when the morning comes, complaints come rolling in and your licence is on the line.

The Castle Electronic Orange Noise Controller will keep your premises free from the risk of complaints and closure. The unit is connected to the main power supply for the amplification equipment, the Electronic Orange flashes a warning when pre set sound levels are exceeded. If the operator doesn't turn down the sound within a pre-set time, an automatic cut off kicks in. The music never has to stop, because a warning light flashes if the limit is exceeded, and only when this is ignored does the power supply cut off to prevent further abuse.

Pioneered by Castle, this unit, approved by The Environmental Health, is used by thousands of venues through the World, and the latest model is as easy to use, robust and reliable as ever.

**Castle**  
advanced sound solutions



# GA904 SPECIFICATIONS

**AUTOMATIC CUT OFF :** The cut off is similar to normal mains power removal, and will not damage the amplification equipment. After a pre-set time, power can be restored automatically or manually. A key operated 'cabaret' over-ride is also provided.

**FEATURES :** 3 colour LED bar graph display showing Sound Pressure Level (SPL) 'Switchable 'A' weighting, or 'B' weighting for more effective Bass control. 'External trigger facility - e.g. contact on Fire Door 'Level, Microphone and external indicators show cause of cut off.

**INSTALLATION :** The GA904 can be installed at low cost by any competent electrician. Detailed instructions are supplied.

**CALIBRATION :** Unlike other entertainment noise controllers the GA904 has a chain of fixed level settings making selecting a specific noise setting easy. The unit is pre-calibrated at the factory so accuracy is assured. A standard Sound Level Meter such as the GA601, may be used to verify the settings or to reset the calibration - a very popular feature with the Environmental Health Officers.

**ORDERING INFORMATION :** GA904 Electronic Orange - supplied complete with microphone, 10m cable (custom lengths available), and remote warning light.

**TRIP RANGE :** 75dB to 112.5dB in 2.5dB steps,

switch selectable  $\pm 5$ dB calibration control (factory set)

**WARNING RANGE :** -3, -6, -9 and -12dB down on pre set trip level. Switch selectable.

**TRIP TIME :** 1 Second to 10 seconds user adjustable (potentiometer)

**POWER SWITCHING :** The GA904 will switch a 240v 30A load or external contactor.

**OPERATING MODE :** Manual: Tripped unit must be manually reset . Auto: Tripped unit automatically resets after trip time. Override: Power output is maintained even during trip condition. Manual, Auto and Override are key switch selectable.

**DETECTOR :** Characteristics: Averaging

**FREQUENCY WEIGHTING:** 'A' and 'B' in accordance with IEC651 Type 2

**TIME WEIGHTING:** Slow response (1000mS)

**DISPLAYS:** Bar Graph display showing sound pressure level. Trip indication LED's showing source. Warning Indication. Manual reset prompt.

microphone (supplied) cable mounted  
Auxiliary: Normally closed door contacts. Unit trips when a door opens or the other external contact is broken.

**OUTPUTS:**  
AC: 1Vrms for FSD. output impedance  $<1000\Omega$   
Short circuit protected  
Power  $\pm 12$ v, 0V Power for accessories.

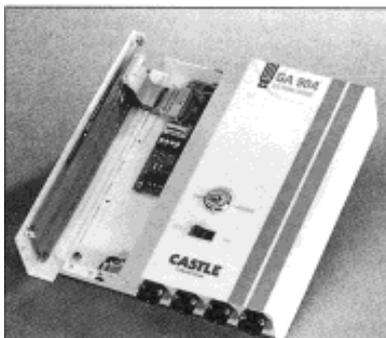
**MICROPHONE:** Pre-polarised 1/2" (12.7mm) Condenser Microphone  
Sensitivity 12mV/Pa  
Capacitance 15pF  
Preamp output impedance 550R  
Cable Mounted

**CALIBRATION:** Factory Calibrated with site level selected on switches. Potentiometer reset.

**TEMPERATURE:** Operating range:  $-10^{\circ}\text{C}$  to  $50^{\circ}\text{C}$   
Effect of Temperature:  $<0.5^{\circ}\text{dB}$  from  $-10^{\circ}$  to  $+50^{\circ}\text{C}$

**HUMIDITY:** Effect of Humidity:  $<0.5^{\circ}\text{dB}$   
30% RH to 90% RH

**DIMENSIONS AND WEIGHT:** 200W x 240H x 60mm  
- 1.5Kg



**DISTRIBUTED BY:**

**ANTI TAMPER LOGIC:** Unit Trips if microphone disconnected.

**INPUTS:** Acoustic: Measurement grade



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.