



# Citation Manufacturing Co., Inc.

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## ARCHITECTS AND ENGINEERS SPECIFICATION

Model M101-RM (rack mount) is an analog broadband noise generator with true randomness and gaussian distribution or equivalent. It shall be capable of producing an output level of 1 volt into 600 ohms or 8 ohms (0 dB M). It shall have an adjustable low pass and high pass filter. The maximum intensity level shall be 90 dB(A) to the sound masking curve.

### OPTION- AUTOMATIC AUDIO VOLUME CONTROLLER

The AUTOMATIC AUDIO VOLUME LEVEL CONTROLLER shall operate with and be installed inside the M101-RM noise generator.

A switch shall be provided with the time period choices of 5 to 15 days for slowly ramping-up the noise generator unit. Upon completion and tuning of the sound masking; switches shall be provided to start the decrease in volume by a minimum of -15 decibels, making the noise inaudible. The process of timed volume control will be started over the time period selected and ramp-up slowly in ¼ decibel steps until the maximum level of noise obtained as previously set.

The AUTOMATIC AUDIO VOLUME LEVEL CONTROLLER eliminates the annoyance of coming

back to the installation site to ramp-up the volume every few days by the Facilities Manager or Contract Technician manually.

### RACK POWER SUPPLY

For North America-The unit shall have a power supply of 117V AC to 24V AC step down.

For Export-The unit shall have a power supply of 220V AC to 24V AC step down.

### RACK OUTSIDE DIMENSIONS

19 in.W x 3.25 in.H x 10 in.D

482 mm.W x 82.55 mm.H x 254 mm.D