

Technical Specification

FEATURES:

- TWO GROUPS OF EIGHT (8) DISTINCT TONES
- SCREW TERMINALS CONNECTIONS
- VOLUME CONTROL
- CONTINUOUS OR DOUBLE BURST OPTION
- POWER SUPPLY INCLUDED



DESCRIPTION:

A microprocessor controlled multi-tone generator capable of producing a variety of tone signals for various applications. The generator provides two groups of eight tone signals. Input and output connectors are provided allowing pages or music to be interrupted. Option jumpers allow control of the mute function and fade rate of the signal interruption.

Specifications:

INPUT SPECIFICATION:

600 ohm, 0 dB Nominal.

OUTPUT SPECIFICATION:

< 4 ohm
Maximum Output Load Impedance: 20 ohm
Maximum Tone Output: > 1 Vrms/Single Tone

POWER REQUIREMENTS:

-24 Vdc, 100 mA Max. (Supplied)

GROUP ONE TONES

Whoop, 698 Hz, 3.9 sec.(approx.)/cycle 2 cycle min, Dual Chime, 880/698 Hz, Burst 880 Hz 1/2 sec on, 2 min., Steady, 880 Hz, 3 sec min., TeleBell 986/784Hz, 11/sec., 10 minimum, Chimes 986, 784, 659, 523 Hz order, Chimes 880, 698, 587, 494 Hz order and Code Call Chime 784 Hz.

GROUP TWO TONES

Siren 659 Hz center 1 cycle approximately 0.3 Hz, Whoop (yelp) 659 Hz, 2.5 Hz, 4/min., Warble 494/986 Hz at 6 Hz rate, Steady 698 Hz, 1 sec. minimum, Burst (pulse) 494 Hz, 4.5 Hz rate, Chimes 659/784 Hz, Chimes 986/784 Hz and Code Call Chime, 784 Hz. Siren, Whoop, Warble. Steady and Burst are USA Standard Immediate Evacuation signal for Industrial Areas.

HOUSING:

White Plastic

ENVIRONMENT:

Temperature: 0 to 50 °C
Humidity: 0-85% Non-Precipitating

DIMENSIONS AND WEIGHT:

6.88 H (17.47 cm) x 2.0" D (5.08 cm) x 4.5" W (11.43 cm)
Weight: 1.0 lbs (.45 kg).

MOUNTING:

Mount Base to Wall With Supplied Hardware



DIGITAL MULT-TONE GENERATOR MODEL SGN-B

Technical Specification

ARCHITECTS' AND ENGINEERS

The Digital Multi-Tone Generator, Model SGN- B, shall be microprocessor controlled and be capable of producing two groups of eight tones. Group one tones shall be Whoop, 698 Hz, 3.9 sec.(approx.)/cycle 2 cycle min, Dual Chime, 880/698 Hz, Burst 880 Hz 1/2 sec on, 2 min., Steady, 880 Hz, 3 sec min., TeleBell 986/784Hz, 11/sec., 10 minimum, Chimes 986, 784, 659, 523 Hz order, Chimes 880, 698, 587, 494 Hz order and Code Call Chime 784 Hz..

The second group shall be Siren 659 Hz center 1 cycle approximately 0.3 Hz, Whoop (yelp) 659 Hz, 2.5 Hz, 4/min., Warble 494/986 Hz at 6 Hz rate, Steady 698 Hz, 1 sec. minimum, Burst (pulse) 494 Hz, 4.5 Hz rate, Chimes 659/784 Hz, Chimes 986/784 Hz and Code Call Chime, 784 Hz.

In group two the Siren, Whoop, Warble. Steady and Burst shall be USA Standard Immediate Evacuation Signal for Industrial Areas. A jumper shall allow selection between group one and group two tones. All tones shall be activated by customer provided contact closures.

The unit shall provide a signal input and output connections allowing music or page to be interrupted. Option jumpers shall be provided to control the mute function and the fade rate of the signal interruption. An option jumper shall allow the tones to be either continuous or single burst. A volume control shall be provided allowing tone level adjustment. A green LED shall be provided to indicate a power on condition.

The unit shall operate on -24 Vdc and consume approximately 100 mA of current. The dimensions shall be 6.88" H x 2.0" D x 4.5" W (17.47 cm x 5.1 cm x 11.43 cm). The shipping weight shall be approximately 1 lb (.45 Kg).

The digital multi-tone generator shall be a Clarity unit model number SGN-B.

Limited Warranty

Clarity warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Clarity indicates the validity of the claim,
2. the defect is not the result of damage, misuse, or negligence after the original shipment,
3. the product has not been in any way repaired by others and that factory sealed units are unopened.
(A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Clarity are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs
(*major repairs will be subject to additional charges for parts and labor*).

This warranty is in lieu of and excludes all other warranties expressed or implied, and in no event shall Clarity be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.