

# SERIES AMT MULTITONE ELECTRONIC HORN AND HORN/STROBE SIGNALS

## Description

Series AMT Multiple Input Electronic Appliances provide the industry with a UL1971/464 combination audible/visual device that simplifies installation and offers three (3) distinct prioritized audible signals from three isolated inputs. Priority (1) will override all other commands upon activation. The AMT offers a choice of nine (9) self-prioritized sound combinations for suppression releasing systems, combination security and emergency evacuation systems and high risk installations as well as many other applications.

The AMT Strobes are designed for ADA applications with maximum performance, reliability and cost-effectiveness while meeting or exceeding the latest requirements of NFPA 72 (the National Fire Alarm Code), ANSI 117.1 (the American National Standard For Accessible and Usable Buildings and Facilities) and UL Standard 1971 (Standard for Signaling Devices for the Hearing Impaired). AMT Strobes, when properly specified and installed in accordance with NFPA/ANSI Standards, can provide the Equivalent Facilitation allowed under ADA Accessibility Guidelines (ADAAG General Section 2.2) by meeting or exceeding the illumination which results from the ADA specified strobe intensity of 75 candela at 50 feet. This is an illumination of 0.030 lumens per square foot (footcandles). Separate supervised sets of input terminals are available for each prioritized input. Jumper plugs are provided to enable both tone and strobe to operate simultaneously for all inputs.

### Strobe Current Draws

See Page 2 for Horn current and dB ratings.

Model	Candela	Current
72244 (72245)	15/75	.072A
72246	75	.147A



## Approvals

Underwriters Laboratories UL 1971 and UL 464 Listed  
FCC Part 15  
Factory Mutual (FM)  
California State Fire Marshal (CSFM)  
New York City (MEA) and Chicago (BFP) Approved  
European Community (CE)

## Features

- Three separate prioritized inputs that will activate three isolated signals via dip switch setting
- All inputs are supervised
- Code-3 Horn and Tone meet ANSI/NFPA/ISO temporal pattern
- Two power taps for high dBA and standard dBA @ 10 feet
- Low current draw with low temperature compensation to reduce power consumption and wiring costs
- AMT Strobe models available with 15/75 and 75 candela ratings for independent or combination input activations
- AMT with strobe can flash independently or in unison with all audible signals
- 9 Tone selections
- 24VDC and FWR
- In/Out screw terminals using #8 to #12 AWG wiring
- Designed to meet or exceed NFPA/ANSI standards and ADA Accessibility Guidelines
- Meets OSHA 29 Part 1910.165
- Operating Temperature Range 32°F to 120°F (0° to 49°C)  
Maximum Humidity at 95%

## Engineer Specifications

When notification appliances are required for applications with more than one function, an appliance with multiple inputs and capable of being programmed shall be used. The notification appliance shall be capable of accepting three (3) individual DC signals and providing three (3) distinct audible signals. In the event the signals are simultaneous, the priority shall be as follows. Highest priority = PR1, Second priority = PR2 and the Third priority = PR3. With the addition of the Strobe, the appliance shall operate with an independent input DC voltage to the strobe terminals. When it is desired to operate the strobe with all of the audible signals, only a set of jumpers shall be required. The notification appliance shall be an AMT audible/visual appliance or equivalent. Notification appliance shall be electronic and use solid state components. Electromechanical alternatives are not approved. Tone selection shall be by durable dip switch assembly and not clips or jumpers. The audible and the strobe shall be able to operate from a single NAC circuit while producing any of these tones. The appliances shall provide two output sound levels: STANDARD and HIGH dBA. The HIGH anechoic dBA measurement at 10 feet at the alarm HORN SETTING shall be 98 dBA for AMT and 98 dBA for AMT Strobes, at nominal voltage. Operating voltages shall be 24VDC using filtered power or unfiltered power supply (full-wave-rectified). All models shall have provisions for standard reverse polarity type supervision and IN/OUT field wiring using terminals that accept #12 to #18 AWG wiring. All UL 1971 Listed strobe appliances shall be verified to meet FCC Part 15, Class B and incorporate low temperature compensation to insure the lowest possible current consumption. Strobe activation shall be via independent input or from the same input circuit as the audible. The combination audible/visual appliances may be installed indoors and surface or flush mounted and shall be Gamewell Series AMT devices.

Tone	Description	Avg Current @ 24VDC		Typical dBA Reverberant per UL464		Typical dBA Anechoic	
		Hi	STD	Hi	STD	Hi	STD
Horn	Continuous	.048	.026	92	86	98	92
Bell	1560Hz modulated.07sec on Repeat	.019	.015	84	78	91	86
Marchtime Horn	.25sec ON .25sec Off Repeat	.048	.026	88	82	98	92
Code 3 Horn	ANSI S3.41 Temporal	.048	.026	88	81	98	92
Code 3 Tone	500Hz ANSI S.3.41 Temporal	.028	.015	84	78	94	89
Siren	600-1200Hz Sweep/sec ON	.039	.02	89	83	97	92
Hi/Lo	1000/800Hz .25sec ON Alternate	.023	.017	86	81	92	87
Vibration Chime	700 Hz i sec delay/repeat	.014	.011	78	71	88	82
Slow Whoop	500-1200Hz Sweep 4sec ON/ .05sec Off/Repeat	.045	.026	88	83	98	93

## Ordering Information

### Part Number Description

#### **SERIES AMT MULTITONE ELECTRONIC SIGNALS**

**71573** Multiple Electronic Signal, Wall Mount, 12 or 24VDC, Red (AMT-12/24-R)

#### **SERIES AMT MULTITONE HORN/STROBES**

**72244** 15/75CD Multitone Horn/Strobe, 0.072Amp, Wall Mount, 24VDC, Red (AMT-241575W-FR)

**72245** 15/75CD Multitone Horn/Strobe, 0.072Amp, Wall Mount, 24VDC, White (AMT-241575W-FW)

**72246** 75CD Multitone Horn/Strobe, 0.147Amp, Wall Mount, 24VDC, Red (AMT-2475W-FR)

#### **Mounting Accessories for AMT Series Signals & Horn/Strobes**

**71139** Backbox, Molded Surface, 5-1/4" Square x 2-5/8"D, Red (IOB-R)

**68593** Backbox, Surface Mount, 4" Square x 2-3/16"D, Red (DBB-R)

**70418** Backbox, Surface Mount, 5-1/2" x 5-9/16" x 3-9/16", Red (SBB-R)

**68292** Plate, Semi-Flush, 6" Square, Red (SFP-R)

**71317** Molded Extender, 5-1/4" Square x 25/32"D, Red (ISP-R)

**71318** Retrofit Plate, 8" x 5-7/8" x 13/32", Red (RP-R)

Specifications and wiring information are provided for information only and are believed to be accurate. Gamewell-FCI assumes no responsibility for their use. Data and design are subject to change without notice. Installation and wiring instructions shipped with the product shall always be used for actual installation. For more information, contact Gamewell-FCI.



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