

AU-500 Series Quadra-Tone Signals



Description

The Signal Communications AU-500 Series Quadra-Tone Signals are high performance electronic horns capable of producing high decibel tones. Designed for industrial applications including fire alarm, emergency warning, plant evacuation, security notification, process monitoring, shift start-dismissal, and paging the AU-500 Series has unlimited applications.

AU-500 Series can easily be wired to sound one (1) to four (4) distinctive tones; Wail, Hi-Lo, Whoop or Horn, lending itself easily to providing various tone signals based on specific emergency situations.

The AU-502 is Listed for Fire Alarm Service, while the AU-501, -503 and -504 are Listed for General Signaling.

Operation

The AU-502 can be powered from either a continuous or a switchable 24 VDC power source. By powering the AU-502 from a switchable 24 VDC source minimum power consumption during quiescent periods can be maintained. In addition, the AU-502 24 VDC power input is polarity sensitive allowing connection to be supervised by a polarity reversing source (i.e. NAC).

The AU-503 and AU-504 are normally wired to a continuous source of AC, with selection wired into the unit to select the desired tone.

Tone selection to the AU-500 Series can be permanently wired (via jumper) inside the unit to produce a single tone upon activation, or can be remotely controlled using dry relay contacts, allowing multiple tones to be selected based on alarm./emergency conditions.

Features

- Comply with NFPA 72 & 101
- 1 to 4 Tones per Unit
Wail, Hi-Lo, Whoop & Horn
- Up to 110 dBA @ 10 ft
- AC or DC Powered Models
- Remote Tone Selection Capability
- Built-in Priority Signaling
- Indoor / Outdoor Applications



Signal Communications Corporation

Specifications

Listings:

AU-502: UL Listed for Fire Alarm Service

AU-501, -503, -504: UL Listed for General Signaling

Electrical

Output: Up to 110 dBA @ 10 ft. (variation based upon frequency)

Input	Voltage	Alarm Current	Standby Current
AU-501:	12 VDC	0.4 A (DC)	0.02 A (DC)
AU-502:	24 VDC	0.7 A (DC)	0.04 A (DC)
AU-503:	120 VAC	0.3 A (AC)	0.04 A (AC)
AU-504:	240 VAC	0.15 A (AC)	0.02 A (AC)

Mechanical

Housing: Cast Aluminum Alloy

Projector: Spun Aluminum Reentrant Horn

Finish: Baked Grey Epoxy

Weight: 5 1/4 lbs.

Temperature: -31⁰ to 158⁰F (-35⁰ to 70⁰C)

Conduit Fitting Size: 1/2" NPT

Signal Selection

Whoop:	Description	Frequency	Repetition Rate
	Ascending Low to High	Low Tone - 400 Hz High Tone - 850 Hz	48 cycles/minute
Wail:	Conventional Siren	400 Hz - 1,100 Hz	24 cycles/minute
Hi-Lo:	Alternating High and Low	Low Tone - 650 Hz High Tone - 850 Hz	24 cycles/minute
* Horn:	Steady Tone	630 Hz	Continuous

Built-in Priority:
1st Priority - Horn
2nd Priority - Whoop
3rd Priority - Wail

* Horn may be keyed for coding applications.

Ordering Information

Model	Description
AU-501	Quadra-Tone Signal, 12 VDC
AU-502	Quadra-Tone Signal, 24 VDC
AU-503	Quadra-Tone Signal, 120 VAC
AU-504	Quadra-Tone Signal, 240 VAC



Signal Communications Corporation