

Axis^{AX}

Intelligent Loop Powered Enhanced Sounder Beacon Base

The Intelligent Loop Powered Enhanced Sounder Beacon Base provides fifteen (15) selectable synchronized tones as well as a synchronized flashing red or amber beacon in a single intelligent detector mounting base.

The Intelligent Loop Powered Enhanced Sounder Beacon Base, when combined with one of the Axis^{AX} Series intelligent smoke detectors, provides smoke detection along with both audible and visual signaling, all in a single location. In addition, each unit receives power and communications from a single pair of wires connected to any of the Axis^{AX} Series Intelligent Fire Alarm Control Panel's SLC (signaling line circuit) loops.

Applications are wide and varied, but ideal applications include living quarters in college dormitories, nursing homes, retirement homes, hospitals and patient rooms.

Tremendous installation cost advantages can be realized due to material and labor savings. Since power is provided by the Axis^{AX} Series Intelligent Fire Alarm Control Panel's SLC loop, there is no need for additional power supplies or additional wire. In addition, installation time is sharply reduced because there is only one mounting location instead of three separate locations one each for a sounder, beacon and smoke detector.

Being installed in various locations, each Intelligent Loop Powered Enhanced Sounder Beacon Base provides seven (7) different volume settings allowing installers to select a specific volume based on installation area audible requirements.

Synchronization of tones and beacon flash rate insures that signal tones and beacon flash rates from different sounder beacon bases do not merge into unrecognizable and visible signaling problems.

The Axis^{AX} Series Intelligent Fire Alarm Control Panel's provide a group addressing feature that is used to simultaneously turn on a group of Loop Powered Enhanced Sounder Beacon Bases without delay.

The Intelligent Loop Powered Enhanced Sounder Beacon Base mounts to a standard 4" electrical box utilizing the



Unique Features:

- Combination Sounder/Beacon Detector Base
- 15 Tone and 7 Volume Settings
- Available with Red or Amber Beacon
- Built-in Synchronization (Audible and Flash)
- Drastically Reduces Installation Costs
- Individual or Group Addressing

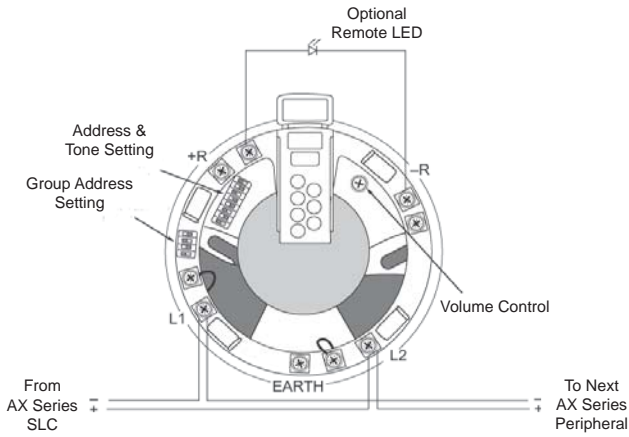
Features:

- Beacon Flash Rate of Once per Second
- Unique Integral Self-Test
- "One-Way-Only" Detector Insertion
- Base to Detector Locking Mechanism

Listings and Approvals:

- ETL ANSI/UL 864 Listed: 3118002NYM-001B
- UL file: UROX.S5022 / ML file: S24459

Sounder Beacon Base Wiring (45681-524ADS and 45681-527ADS)



included mounting plate.

Bases are specifically designed to enable “one-way-only” intelligent detector insertion without any need for force. Simply insert the detector and rotate clockwise. Incorporating a high degree of protection against unauthorized removal of detectors, each base can be locked to its associated detector by a mini-hexagonal screw.

Utilizing the Advanced unique method of addressing intelligent detectors, the Intelligent Loop Powered Enhanced Sounder Beacon Bases incorporate a patented address (“XPerT”) card. The address is quickly and easily set by removing “pips” on the XPerT card according to a chart supplied with each base. To save time during installation pre-addressed XPerT cards are available. Once the address is set on the XPerT card, it is then slid into the base and locked in place. By addressing the Axis^{AX} Series detector in the base rather than in the detector, the all-too-common errors associated with detector removal and maintenance are eliminated.



Ordering Information

45681-527ADS	Sounder/Beacon Base, Amber
45681-524ADS	Sounder/Beacon Base, Red
For use w/o Detector:	
45681-292ADS	White Cap
45681-293ADS	Red Cap

Audibility Table

Device Setting	Tone	Frequency	dB (A) @ 10 Ft.
1	Apollo Evacuation Tone	550Hz for 0.5s, 825Hz for 0.5s	48.1 to 70.8
2	Alternating (Hochiki & Fullerton)	925Hz for 0.25s, 626Hz for 0.25s	53.6 to 70.8
3	Medium Sweep	800Hz to 970Hz at 1Hz	51.5 to 71.8
4	Fast Sweep	2500Hz to 2850Hz at 9Hz	54.3 to 81.6
5	Dutch Slow Whoop (sweep)	500Hz to 1200Hz for 3.5s, 0.5s off	48.3 to 81.6
6	DIN Tone (sweep)	1200Hz to 500Hz for 1s	49.8 to 70.8
7	Swedish Fire Tone	660Hz for 150ms on, 150ms off	50.9 to 69.2
8	Aus (fast rise sweep)	3x (500Hz to 1200Hz for 0.5s) 0.5s off	46.2 to 66.7
9	NZ (slow rise sweep)	500Hz to 1200Hz for 3.75s, 0.25s off	48.5 to 70.5
10	US Temporal LF (ISO 8201)	3x (970Hz for 0.5s on, 0.5s off) 1s off	47.7 to 70.4
11	US Temporal HF (ISO 8201)	3x (2850Hz for 0.5s on, 0.5s off) 1s off	48.8 to 70.4
12	Simulated Bell Continuous	n/a	50.1 to 76.4
13	Emergency Warning Siren	n/a	50.5 to 73.5
14	Evacuation Tone	970Hz Continuous	51.7 to 73.3
15	Apollo Evacuation Tone	550Hz for 0.5s, 825Hz for 0.5s	46.6 to 75.5

Note: The sounder beacon is not intended for evacuation use, except at it's high volume setting

Intelligent Sounder/Beacon Base Specifications

Operating Voltage	17-28 VDC (polarity sensitive)
Operating Current	
Quiescent	<1.3 mA
Device Active (sounder and beacon)	10.48 mA
Remote LED Active	5 mA
Switch on Surge	1.2 mA for 1 second
Terminals	Stainless Steel
Environment	Indoor, Dry
Operating Temperature	32-120° F (0-48° C)
Humidity	10-93% (non-condensing)
Dimensions (Diameter & Height)	
Base	4.53"D x 1.5"H
Cap	3.94"D x 0.35"H
Weight	
Base	5.6 oz
Cap	0.7 oz
Housing	Polycarbonate, 94 V0



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