

Axis^{AX}

Intelligent Loop Powered Sounder Beacon Base

The Intelligent Loop Powered Sounder Beacon Base provides synchronized “steady” and “ANSI temporal” tones as well as a “flashing” red or amber beacon in a single intelligent detector mounting base. The beacon is activated whenever the sounder is active.

The Intelligent Loop Powered Sounder Beacon Base when combined with one of the Axis AX Series intelligent smoke detectors, provides smoke detection along with both audible and visual alerts, 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 and hospital 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.

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Features

- Combination Sounder Beacon Detector Base
- Drastically Reduces Installation Costs
- Programmable Volume Settings
- Available with Red or Amber Beacon
- Built-in Synchronization (Audible and Flash)
- Individual or Group Addressing
- “One-Way-Only” Detector Insertion
- Base to Detector Locking Mechanism
- Two Programmable Tones and Volume Setting
- Unique Acoustic & Beacon Self-Test
- Beacon Flash Rate of Once per Second
 - Continuous 2900 Hz Tone
 - Low Volume 66.7 dB
 - High Volume 77.6 dB
 - ANSI Temporal 2900 Hz Tone
 - Low Volume 52.5 dB
 - High Volume 66.8 dB

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There are two volume settings low and high that are dip switch selectable. See table for ratings.

Synchronization of tones insures that signal tones from different sounders do not merge into one signal that could be mistaken for a different tone.

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 Intelligent Loop Powered Sounder Beacon Bases without delay.

There is a built-in acoustic self-test facility which is automatically activated during normal operation or can be manually activated during walk-tests. A trouble signal is generated at the panel if no sound is detected at the device.

There is a built-in beacon self-test facility which is automatically activated during normal operation or can be manually activated during walk tests. A trouble is generated at the panel if the LEDs do not draw current when activated.

The Intelligent Loop Powered Sounder Beacon Base mounts to a standard 4” electrical box utilizing the included mounting plate.

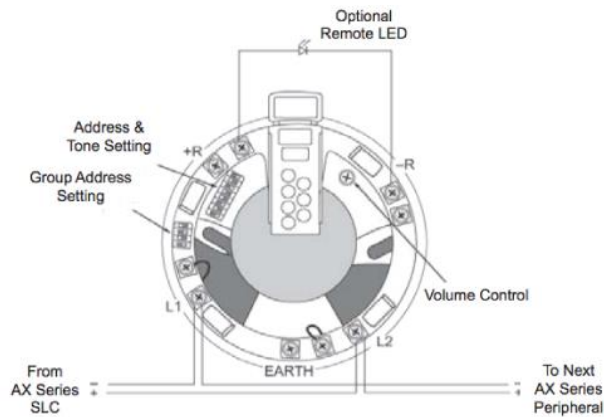
Bases are specifically designed to enable “one-way-only” intelligent detector insertion without any need for force. Simply insert the detector and rotate clockwise. Incorporating a high degree of protection against unauthorized removal of detectors, each base can be locked to its associated detector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

Utilizing the Advanced unique method of addressing intelligent detectors, the Intelligent Loop Powered 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 detector in the base rather than in the detector, the all-too-common errors associated with detector removal and maintenance are eliminated.

Listings and Approvals

- ETL ANSI/UL 864 Listed: 101564744NYM-001
- UL file: UROX.S5022 / ML file: S24459
- NYC FD COA #6105A2

Wiring Diagram



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

Specification

Operating Voltage	17-28 VDC (Polarity Sensitive)
Operating Current	Less than 1.3 mA
Quiescent	10.48 mA
Device Active (Sounder and Beacon)	5 mA
Remote LED Active	1.2 mA for 1 Second
Switch on Surge	
Terminals	Stainless Steel
Environment	Indoor, Dry
Operating Temperature	32 °F-120 °F (0 °C-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

Order Codes and Options

45681-527ADS	Sounder/Beacon Base, Amber
45681-524ADS	Sounder/Beacon Base, Red
For use Without Detector:	
45681-292ADS	White Cap
45681-293ADS	Red Cap

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