



HARRINGTON
FIRE ALARM



IS821

Analog Addressable Sounder Base

Harrington Signal Inc.
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Description

The IS821 Sounder Base provides flexible notification capabilities where you need it. The compact design features easy access to the terminals for wiring. The IS821 bases feature a "one way only" fit. A simple clockwise turn plugs in the detector head and readies it for operation.

The IS821 adds a powerful continuous audible output function to Harrington Signal Photoelectric, Ionization, Heat, or Multi-sensor addressable detectors. This unit can be used as a single station or multi-station. Device testing or group alarm operations can be accomplished by simply reversing the polarity on the separate power feed.

Universal address cards, known as X-pert cards, are supplied with all bases. X-pert cards can come pre-programmed, but are typically programmed onsite with the use of a simple screwdriver and an X-pert card programming guide

(included with base). The coded cards, when inserted into the base, operate the address buttons on the detector and the detector's electronics read the address.

These powerful capabilities make the IS821 ideal for use in hotels, apartments, and other places where in-room sounders are required.

The sounder base is controlled by the same address as the detector head it is fitted with, which makes installation and programming quick and simple. The easy-to-use nature of this product makes it a great fit for your installation needs.



Features

- Compatible with Harrington Signal FireSpy® Tracker 2000 and 8000 Panel
- Compatible with IS800, IS801, and IS802
- Address is set by X-Pert card and is stored in base

Ordering Information

Model Number	Part Number	Description
IS821	IS821	Analog addressable sounder base
IS800	IS800	Analog addressable heat detector
IS801	IS801	Analog addressable ion smoke detector
IS802	IS802	Analog addressable photo smoke detector
IS841	IS841	Blank X-Pert cards
IS840	IS840	Pre-Addresses X-Pert cards
IS803	IS803	Analog addressable multi-sensor detector



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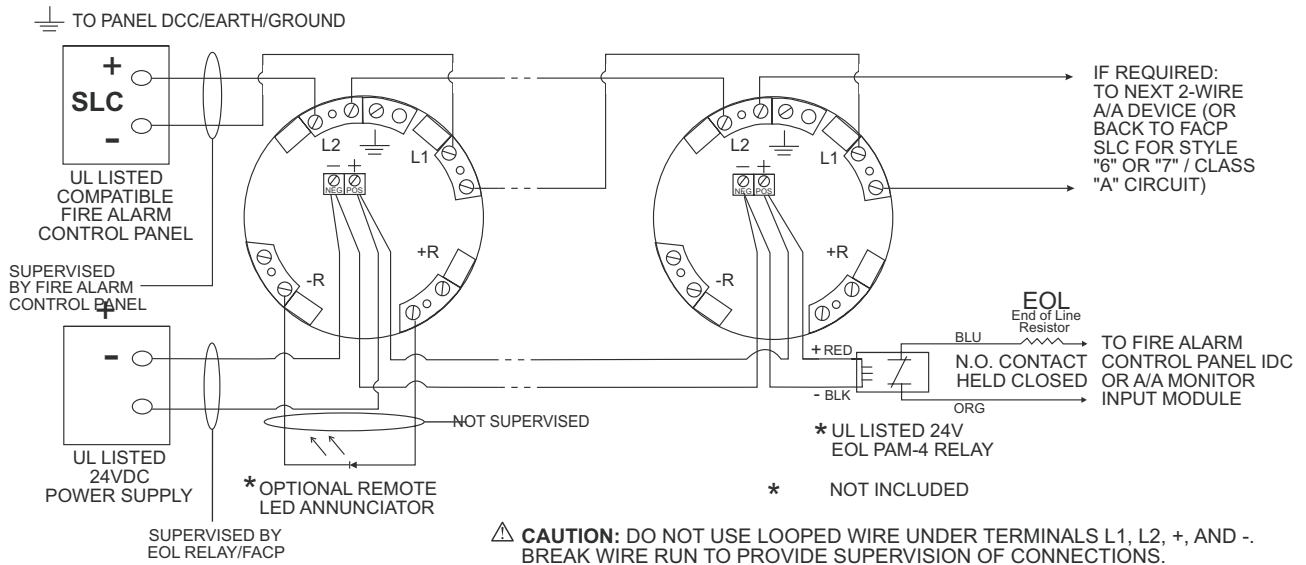
FireSpy®

IS821

Analog Addressable Sounder Base

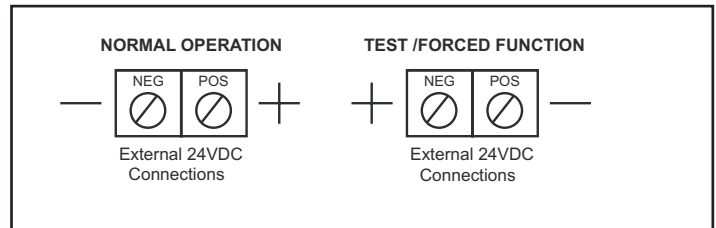
Base Wiring

TYPICAL STYLE "4"/CLASS "B" CIRCUIT WIRING FOR IS821 SOUNDER BASE



Testing and Forced Activation

The IS821 sounder base may be tested or force activated by reversing the 24VDC external supply polarity (see figure at right). This causes the sounder to activate. It is not necessary to have the detector head installed or in alarm for this operation. Note that when doing a forced (or test) alarm operation, the sounder(s) will continue to sound until the polarity is returned to normal or power is removed.



Product Specifications

SOUNDER BASE OPERATING VOLTAGE:	17-30VDC (24VDC Nominal)	
SOUNDER BASE ALARM CURRENTS:	External supply	46mA@ 24VDC
	Associated detector	2mA@ 24VDC
SOUNDER BASE STANDBY CURRENT:	0mA@ 24VDC	
SOUNDER AUDIBLE INTENSITY:	85db @ 10 feet	
AMBIENT TEMPERATURE W/ DETECTOR HEAD INSTALLED:	32°F to 100°F (0°C to 38°C)	
HUMIDITY W/ DETECTOR HEAD INSTALLED:	0% to 85% RH Non-Condensing/Non-Freezing	
COMPATIBLE DETECTOR HEADS:	IS801 Ionization	
	IS802 Photoelectric	
	IS800 Heat	
	IS803 Multi-Sensor	
ALARM INDICATION:	Continuous tone	
MATERIAL:	White plastic Makrolon, 94V-0	
MOUNTING:	Vertical wall or ceiling	
DIMENSIONS:	6" Lx 6" W x 1.6" D (152mm Lx 152mm W x 41mm D)	
MAX NET WT.:	1lb.	
APPROVALS:	UL Listed File #S5541	

NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice. Quality manufactured for Harrington by Air products.