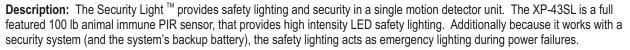


LEPH XP-43SL

Security Light[™] PIR Intrusion Detector

40ft L x 56 ft W





Installation: To fully utilize, position in high traffic areas. Install the XP-43SL at a mounting height between 7.6 ft (2.4m) and 8.2 ft (2.5m). Mount the unit so it is looking into an area free of obstructions. Avoid pointing the detector at windows and /or areas exposed to direct sunlight, do not mount the unit so it is looking directly at heating or cooling sources.

> Wire the XP-43SL to the control panel device using 18 to 24 AWG 4 conductor. Standard non-shelided wire can be used, do not run wiring parallel to AC wiring. For UL installations, all wiring must be in accordance with NEC, NFPA 70. Wiring Connection configuration is specified at the top of page two.

> Prior to re-attaching front cover; set Pet Immunity, Pulse Count (PC), and LED configuration settings (Selectable Switch 1, 2, and 3 (Ref page 2)) as desired. If the detector is viewing a narrow area, a PC setting of 4 should be avoided, as the small area may not allow enough movement to detect intruders. In High Security applications set SW-1 to "High Sensitivity". this lowers the alarm trigger threshold, allowing for a quicker detection throughout the detection area. A setting of "High Sensitivity" voids the Pet Immunity features of the XP-43SL. Set SW 1 to "Standard" when Pet Immune functions (Animals up to 100Lbs) are desired.

Selectable Switch 3 controls Alarm and Security LED's. Refer to Pg. 2 for Selectable Switch parameters. When disabled all LED's are inactive. When enabled all LED's light in response to movement with the following characteristics:

Alarm: Red LED blinks after first detection pulse, blinking continues until PC set is met. When detection pulses are equal PC set, an Alarm Condition is initiated, Red LED turns on solid/non pulsing state & Alarm Relay Output opens. Alarm duration is two seconds.

Security Light(s):_White LED's light solid after first detection pulse, when ambient light level is 50 lux or less. Security Lights remain lit for 10 seconds after movement has stopped. When light level is below 50 lx White and Alarm LED's work concurrently with each other.

The "Sensitivity Adjustment" pot (Reference Pg. 2) enables additional adjustments to fine tune detection sensitivity, by varying the PIR gain trigger threshold level. The "SA" pot is factory preset at 50%.

Walk-Test: Once installation and initial setup is complete, perform a full walk test to insure that detection parameters are met, if required make control adjustments to fine tune detection characteristics. In order to insure detection quality, the XP-43SL should be tested routinely, with no more than a one year period between test.

Troubleshooting:

Trouble	Cause	Remedy
Unit does not power up.	No or low input power.	Apply proper input voltage.
	Input power polarity reversed.	Correct wiring polarity.
Alarm LED does not light up	Selectable Sw 3 is set to "OFF"	Set to "On" / up.
	"Detection Area" settings incorrect.	Reset Sw.1 & 2 to match coverage area and/or remount sensor.
	Incorrect Sensor Mounting height.	Increase / Decrease mounting height.
	Sensitivity / Pulse Count settings	Reset Sw 3 & 4/ readjust Sensitivity
	incorrect for secured area.	Pot to match detection characteristics
AL 150 (D.1.1)		required.
Alarm LED / Relay triggers without movement in detection area.	Unsecured environment / Animals / Rodents in detection area.	Block access of animals/rodents.
movement in detection area.	Heater /Air conditioning equipment in	Remove the hazard equipment. Re-
	sensor view.	aim sensor so it is not viewing the
	Concor them	equipment.
	Direct Sun or headlights in sensor	Add curtain / shade to block light
	view.	sources.
LED indicates Alarm, no alarm output	Incorrect wiring at alarm output terminals.	Correct wiring fault.
	Open circuit in wiring between	Replace/repair wiring.
	detector and control panel.	
	Lightning damage to detector	Replace detector.
Alarm LED on constantly, no fault in	Abnormal supply voltage	Ensure that there is correct voltage
protected area or wiring.		(10.6 to 16 VDC) at power terminals
Security (White) LEDS do not light	Room illumination above 50lx.	Darken Secured area.
	Jumpers R37 & R38 cut / open	Re-short jumpers.

Testing & Maintenance:

An inspection of this unit should be made periodically, consisting of, but not limited to all mounting, wiring and the condition of the interior / components.

Clean the plastic parts of this unit with a soft, clean, damp cloth.

This unit should be tested routinely for proper operation. At a minimum the unit's operation needs to be fully checked yearly.

This unit is designed to be incorporated into an overall alarm system. As it is part of the system ALEPH cannot assume responsibility for theft or damage if the system fails to operate.

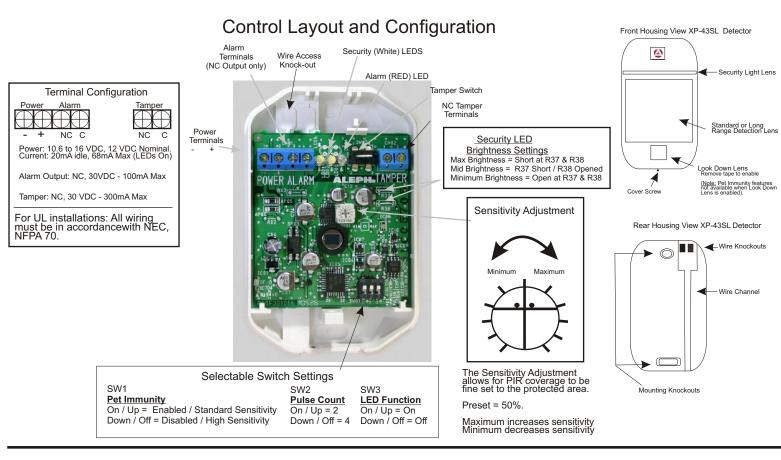
Compliance Information:

CE compliant:

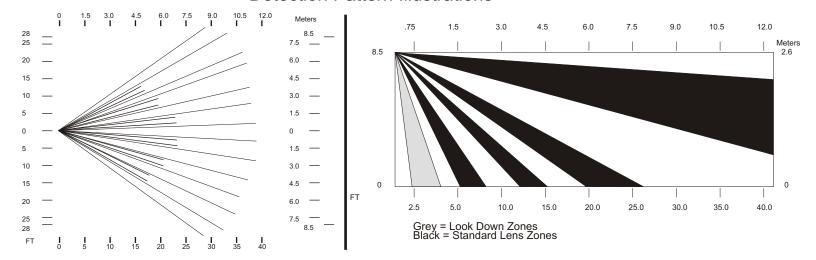
Directive 73/23/EEC

Patent Information:

U.S. Patent Number: 421,403, Other U.S. & International patents pending.



Detection Pattern Illustrations



Specifications

Power Supply: 10.6 to 16 VDC
Current Consumption: 68mA max / 15mA nominal
Detection Type: Dual Element Pyro-Detector
Detection Range: 40' (12m) L x 56' (17m)
(100' (31m)l x 8' (2m) W with LL40 lens)

Pulse Count Control: 2/4 Pulses (via Sw 2)
Sensitivity Control: Variable via Sens Potentiometer.

High via Sw 1 (Pet Immun Off).

Warm-up Period: 40 Seconds max.

Alarm Period: Approximately 2 sec.

Alarm Indicator: Red LED, blinks pre alarm / On steady after 1st detection pulse.

Security LED: When light level <50lux, movement lights all LEDs. Light period 10 sec after movement ceases.

Alarm Output: N.C. Dry contact 30VDC / 100mA Max.

Tamper Output: N.C. Dry contact 30VDC / 300mA Max.

Mounting Height: 4.9' to 8.5' (1.5m to 2.8m).

Environmental Operating Temperature: +14°F to +122°F (-10°C to +50°C)

Environmental Humidity: RH 95% max.

Dimensions: 3.9" x 2.5" x 1.7" (98mm x 64mm x 42.5mm)

Weight:3.1 oz (88g)

Contact Aleph

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