

ALEPH®

PASSIVE INFRARED DETECTOR
XP-40 Series
INSTALLATION INSTRUCTIONS

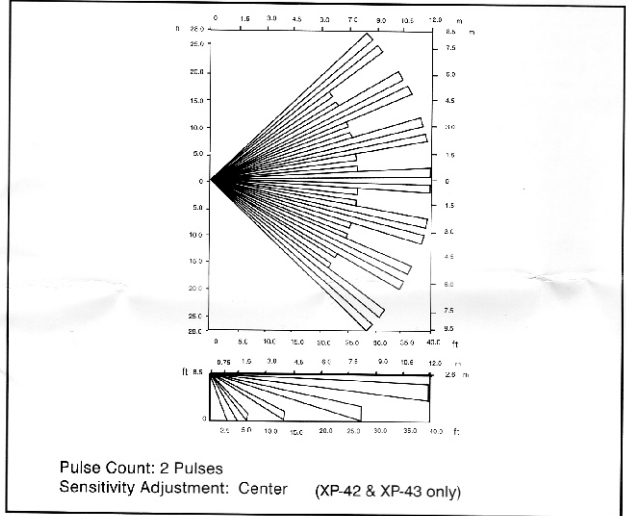
MODEL XP-40: Standard
XP-41: XP-40 with Lightning Protection & Tamper
XP-42: XP-40 with Sensitivity Adjustment & Tamper
XP-43: XP-40 with Lightning Protection, Sensitivity Adjustment & Tamper

1. SPECIFICATIONS

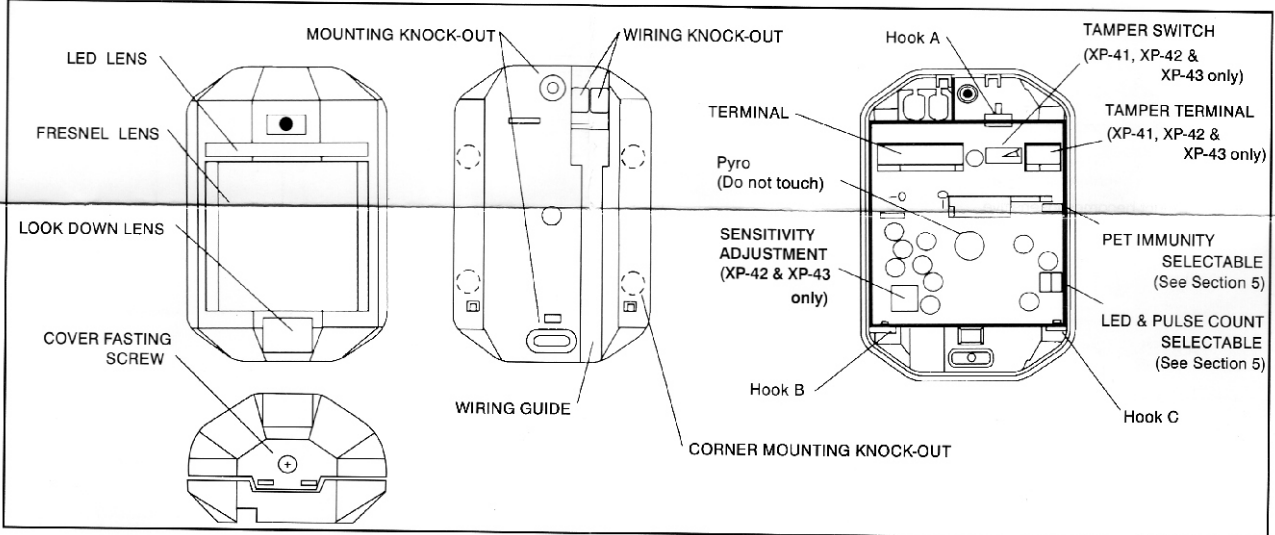
Power Requirement	10.6 to 16VDC (Normal 12VDC)
Current Draw	25mA max.
PIR Detector	Dual-element
Pulse Count	2/4 pulses (selectable)
Warm-up Period	38 sec max.
Alarm Period	2 ± 0.4 sec
Alarm Display	Red LED monitor (ON/OFF selectable)
Detection Display	Red LED blinks
Alarm Output	N.C. dry contact 30 VDC 0.5A 5W max.
Tamper Contact	N.C. dry contact 30 VDC 0.5A max. (XP-41, XP-42 & XP-43 only)
Sensitivity Adjustment	See Section 9 (XP-42 & XP-43 only)
Mounting Height	5.0 to 8.5 ft (1.5 to 2.6 m)
Operating Temperature	+14°F to +122°F (-10°C to +50°C)
Environment Humidity	95% max.
Dimensions (H x W x D)	3.9in. X 2.5in. X 1.7in. (98.0mm X 64.0mm X 42.5mm)
Weight	3.0 oz (83.5g)

We may change specification and design without prior notice as part of its continuing program of product improvement.

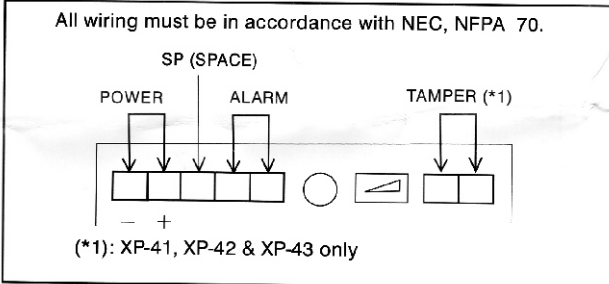
2. DETECTION AREA



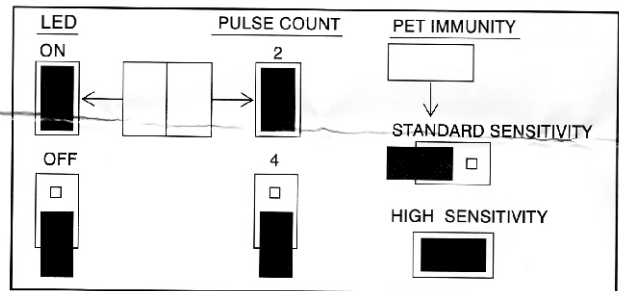
3. DESCRIPTION



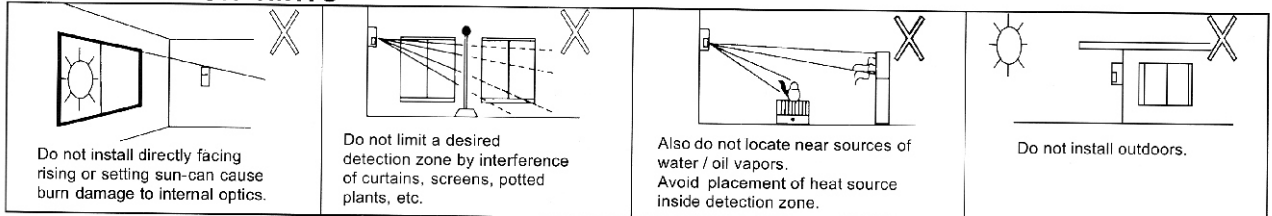
4. WIRING



5. SELECTABLE MODE

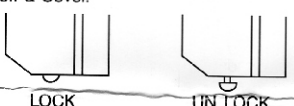


6. INSTALLATION HINTS



(For UL CERTIFICATED INSTALLATIONS. Set Pulse Count to two)

7. INSTALLATION

① Remove cover by loosening the "Cover Fastening screw" on the Bottom of the unit. (See Section 3) (*2)	② To remove "Wiring knockout" cut along indentations then push out from inside. (See Section 3)	③ Use the screws supplied with XP-40 to attach the unit to the wall or corner (*3).
④ Wiring Diagram (See Section 4)	⑤ To attach cover, hook upper part and push down, then tighten "Cover Fastening screw" at bottom of the unit.	
<p>(*2) : Cover Fastening screw Notes It become UN LOCK when it turn two times of "Cover Fastening screw". Do not take the "Cover Fastening screw" off a Cover.</p> 		<p>(*3) : Corner Mounting Notes At the time of corner mounting, it take off the "Printed Circuit Board" once. And use the four screws supplied with XP-40 Series to attach the unit. And return the "Printed Circuit Board". Exclude method of "Printed Circuit Board". It exclude "Hook B,C" after excluding "Hook A" Fixed method of "Printed Circuit Board". It fix "Hook A" after fixing "Hook B,C." (See section 3)</p>

(UL does not evaluate for Pet Immunity)

8. PET IMMUNITY NOTES

1. This detector ignore the presence of dogs and cats.
(Approx. 30 lb)
2. Set the Pet Immunity selectable mode to standard sensitivity. (See Section 5)
3. Mount the detector 8 to 8.5 ft (2.1 to 2.6 m) high.
4. Do not aim the detector at stairways that animals can climb on.

9. SENSITIVITY ADJUSTMENT

(XP-42 & XP-43 only)

The sensitivity adjustment is provided allowing use in difficult environments.

MAX: A product becomes sensitive.

MIN: A product becomes insensitive.



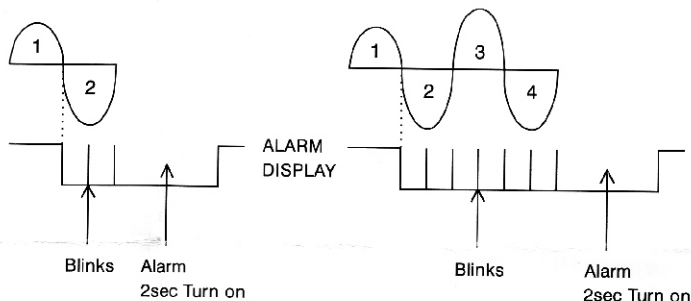
10. ALARM LED DISPLAY

In case of Pulse Count: 2

After "pulse 1" recognition, alarm
LED blinks till "pulse 2" is
recognized.

In case of Pulse Count: 4

After "pulse 1" recognition, alarm
LED blinks till "pulse 4" is
recognized.



11. TROUBLE SHOOTING

Trouble	Cause	Remedy
Does not warm up even if power switch on.	No input power or voltage is too low.	Supply the proper voltage (10.6 to 16 VDC). (See Section 4)
	Connect the power to reverse the polarity.	Adjust the polarity. (See Section 4)
LED's indicator does not turn on.	Selection Mode Switch is LED OFF.	Selection Mode Switch is LED ON. (See Section 5)
	Unsuitable adjusting the detection zone.	Adjust the detection zone.
LED turning on.	Power supply voltage is abnormal.	Supply the proper voltage (10.6 to 16 VDC).
	The detector broke down.	Maintenance is necessary.

12. TESTING & MAINTENANCE

Inspection:

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

Cleaning:

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

Testing:

This unit should be tested at least once per year for proper performance and operation.

Note:

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.

If you have any questions about this product please contact **ALEPH** or your nearest dealer.

ALEPH INTERNATIONAL CORPORATION

1026 Griswold Avenue, San Fernando, California 91340, USA

Tel: (818) 365-9856; (800) 423-5622 Fax: (818) 365-7274

ALEPH EUROPE LTD.

1 Newton Close, Park Farm Industrial Estate Wellingborough, Northamptonshire NN8 6UW, UK

Tel: (0) 1933-679600 Fax: (0) 1933-401165

HONG KONG ALEPH CO., LTD.

Southeast Industrial Building 24/F FLAT(E) No.611-619 Castle Peak Road Tsuen Wan, N.T., HK.

Tel: 2411-0318 Fax: 2411-4035