FEATURES

LX-402 :40ft.(12m) 120° Wide Angle

-LX-802N:80ft.(24m) Long Range

Selectable Detection Area Patterns Day/Night Mode

-Waterproof (IP Rating:IP54)

FUNCTION

Selectable Pluse Count (TEST or 2)

Selectable Sensitivity (H, M or L)
Form C Relay Output

·Tamper Switch

OPTION

Ceiling Mount Bracket : CA-2C

Multi-Angle Wall Mount Bracket :CA-1W

Adjust ±45° (Horizontally)

Adjust 0 - 20° (Vertically downwards)

Safety-Related Precautions

Before installation, make sure to read this instruction manual carefully for safe and effective propduct operation.

After reading this installation instructions, make sure to keep it in a conveninet place for future use.

Warning

This icon denotes a situation involving the risk of serious injury or even death, if the warning given is ignored.

Caution

This icon denotes a situation involving the risk of serious injury or damage to property if the warning given is ignored.

This icon indicates actions to be avoid. Details of the actions to be avoided are written beside or near icon.

This icon indicates instructions that should be strictly followed.

Warning

Never use this product for any application expect purpose for detecting moving object such as human or car. In addition, never use for any activation for a shutter or other. It may cause hazards.

Never attempt to disassemble or modify the product, which increases the risk of fire or damage of the product.

(9)

To avoid the risk of electric shock, never touch the main body of the product with wet hands (Also, if the product is wet after rain, do not touch it).



Never connect the terminal with higher power supply or current draw over the specification. It increases the risk of fire or damage to the product.



The section

Caution

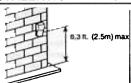
Avoid applying water directly from brackets, houses, or otherwise splashing water directly onto the product. It increases the risk of damaging the product.



Clean and inspect the device periodically for safe operation. If any defect is detected, ask your local shop to repair the device.



1.INSTALLATION HINTS



Maximum mounting height is 8.3ft.(2.5m).



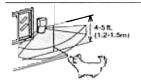
Mount the detector directly to a wall or ceiling with the optional bracket(model CA-1W or CA-2C).



Avoid moving objects in the detection area (i.e.swaying trees, bushes, etc.).



Aim the detector at wall or the ground, to aviod unwanted detection.



When using the pet alley area, the mounting height should be between 4-5ft.(1.2-1.5m).



Avoid looking directly at air conditioning or heating vents.

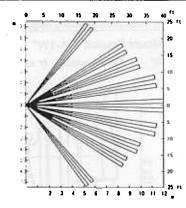


Avoid vapor or high humidity that can cause condensation.

2.DETECTION AREA PATTERNS

LX-402

A. TOP VIEW



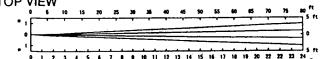
B. SIDE VIEW

1.Multi-Level Area



LX-802N

A. TOP VIEW



B. SIDE VIEW

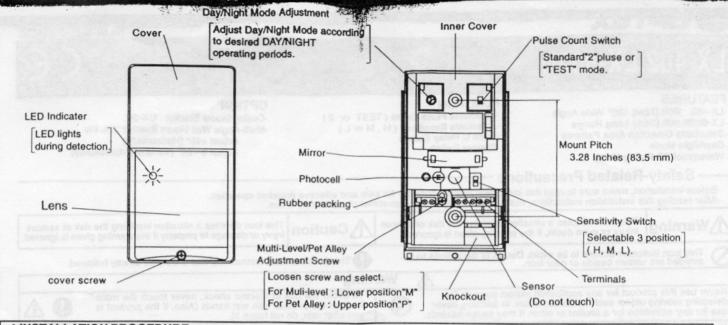
1.Multi-Level Area

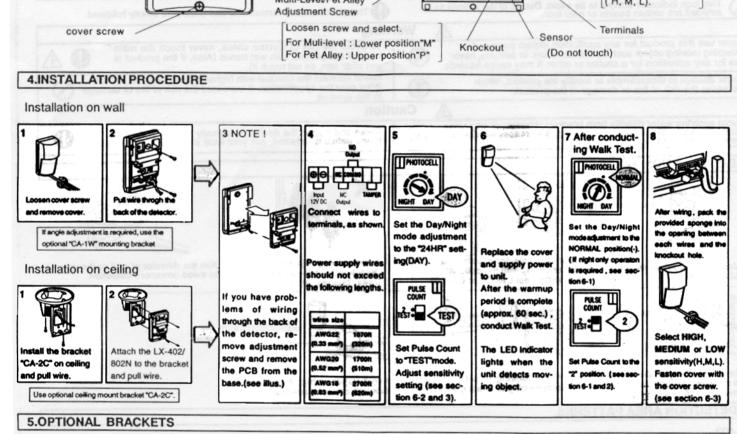


2.Pet Alley Area

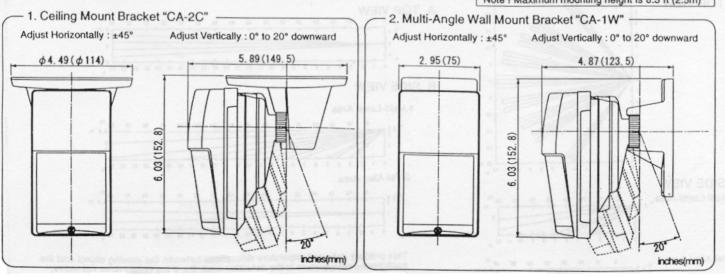


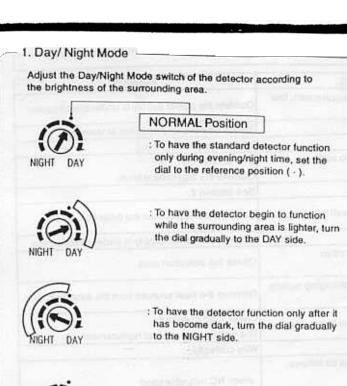
This product detects temperature differences between the moving object and the background temperature in the detection area. So, if the object dose not move, the detector can not detect it, and changing of the temperature differences may affect the detector's detection range. Additionally, since this product has directional characteristic it is difficult to detect the target that is approaching the detector.





Note! Maximum mounting height is 8.3 ft (2.5m)

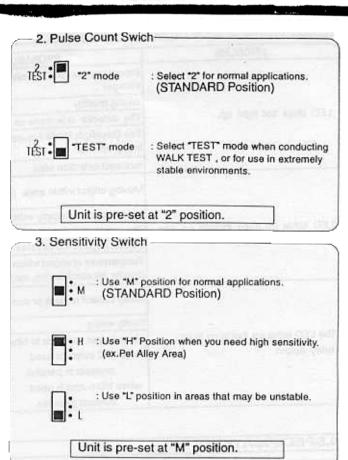


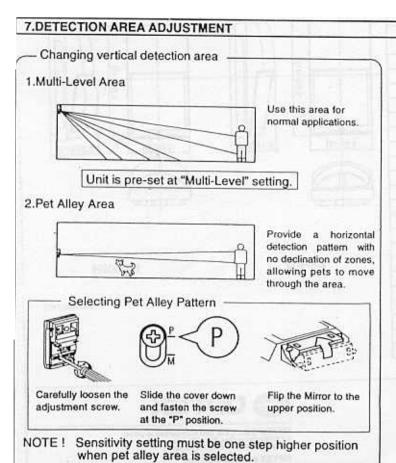


: To have the detector function at all time, or to perform a walk test, set the dial to

the DAY position.

Unit is pre-set at "NORMAL" position.

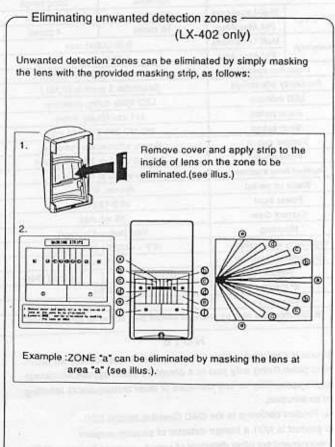




Pet Alley Area will not function if two changes are not

NOTE!

performed.

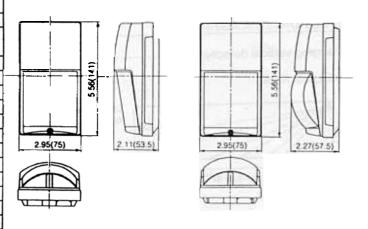


| PROBLEM | PROBABLE CAUSE | REMEDY |
|--|--|---|
| 685-46730 | Improper power supply voltage. (disconnection, low voltage) | Confirm the power supply is under specification. |
| LED does not light up. | Wrong polarity | Switch positive and negative at terminal. |
| | The detector is in warm up period. | Wait for.(approx. 60 sec.) |
| | The Day/Nigth Mode Adjustment knob setting is inappropriate. | See section 6-1. Confirm the adjustment knob. |
| | Incorrect detection area. | See section 2. |
| LED lights up even though no one is in detection area. | Moving object within area. (curtain, wall hanging, etc.) | Remove the object from the detection area. |
| | Improper power supply voltage. | Confirm the power supply is under specification. |
| | The unit is detecting presons, cars or other objects beyond the set area. | Check the detection area. |
| | Temperature of object within area is changing rapidly (heater, air conditioning, etc.) | Remove the heat sources from the detection area. |
| AD Post of | Relay contact is stuck or damaged due to overloading. | Check load of output. The unit needs repair or replacement. |
| | Faulty wiring. | Wire correctly. |
| The LED lights up, but there is no relay output | Alarm output connects to other devices as follows. when NC output is used :connect in parallel. when NO output is used | when NC output is used :connect in series. when NO output is used |
| Side State Community of the Community of | connect in series. | connect in parallel. |

9.SPECIFICATIONS

| Model | | LX-402 | LX-802N |
|---------------------------|------------------|--|----------------------------------|
| Detection method | | Passive Infrared | |
| Detection area | | 40ftx50ft(12mx15m) 120°wide | 80ftx6.6ft(24mx2m) Long range |
| Coverage | Multi-Level Area | 40 zones | 12 zones |
| | Pet Alley Area | 18 zones | 4 zones |
| Mounting height | Multi-Level Area | 8.3ft (2.5m) max | |
| | Pet Alley Area | 4-5ft (1.2-1.5m) | |
| Detection speed | | 1-3.3ft/sec. (0.3-1.0m/sec.) | |
| Sensitivity adjustment | | Selectable 3 position (H,M,L) | |
| LED indicator | | LED lights during detection | |
| Alarm period | | 2±1 sec.(Delay timer) | |
| Alarm output | | NC.NO.28V DC 0.2A max | |
| Tamper switch | | Opens when cover removed. | |
| Pulse count | | 2 (20±5 sec.) or TEST(1 pulse) | |
| Day/Night Mode adjustment | | Approx. 10 to 100,000 lux | |
| Warm up period | | Approx. 60 sec. | |
| Power input | | 10.8-13.2VDC | |
| Current draw | | 25 mA max | |
| Mounting | | Wall (Indoor/Outdoor) | |
| Operating temperature | | -4°F - +122°F(-20°C - +50°C) | |
| Environment humidity | | 95% max | |
| Weight | | 6.0oz (170g) | 6.8oz (190g) |
| IP Rating | | IP54 | |
| Accessory | | Masking strips (LX-402 only), Mounting screw, Sponge | |

10.DIMENSIONS



LX-402

LX-802N

inches(mm)

NOTE

This unit is designed to detect moving object and activate an alarm control panel. Being only part of a complete alarm system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion.

This Product conforms to the EMC Directive.89/336 EEC.

This product is NOT a human detector of security purpose.

We recommend our other detectors of security purpose, if you would like to use detector for security purpose.



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