

INFRARED FINDER

Read this operation manual carefully before use.

In this manual, indications are given for the instruction to be followed for safe and correct use of the product and for prevention of physical and/or material damage and/or harm. This product is designed to check the near infrared rays of the OPTEX Infrared activation switch. Do not use the product for any other purposes.

Warning To avoid getting caught in the door:

Watch for the opening and closing of the door.
Make sure that the main unit of the activation switch has been installed and set correctly according to the specifications before operation.

Caution To avoid electric shock or short circuit:

Do not use the product in an environment which water may come in.
Do not disassemble or repair the product.

Caution To avoid the damage of the product:

Do not drop or throw the product.

For correct use, be sure to read this operation manual carefully before use.

Operation Principle

Detection method of the OPTEX infrared activation switch

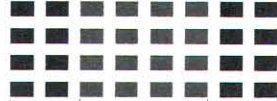
In the OPTEX infrared activation switch system, multiple infrared rays emitted from the activation switch compose the detection area. If a person (object) enters the detection area and changes the intensity of the emitted infrared rays, a signal is output.

Detection method of INFRARED FINDER

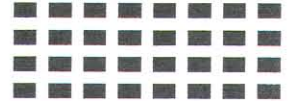
INFRARED FINDER receives infrared rays emitted from the activation switch and enables easy checking of the emitted light with sound and light.

[Note] When used with an activation switch of which detection area is adjustable, INFRARED FINDER cannot correspond to the altered area. To operate INFRARED FINDER correctly, check the detection area of activation switch with its operation manual.

Activation Switch Main Unit Set Area



INFRARED FINDER Detection Range

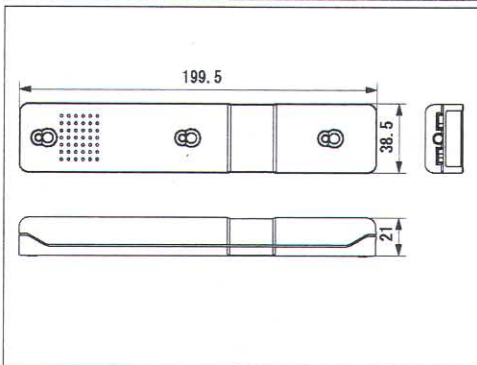


Activation Switch Detection Area
Activation Switch Emitting area

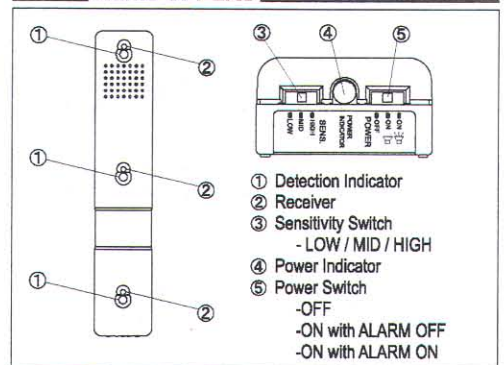
Specifications

Model	INFRARED FINDER
Detection Method	Near infrared ray reception
Power Supply	4.5 VDC; three AAA alkaline dry cells
Battery Life	50 hours (in detecting condition)
Power Indicator	Green LED illuminated (when power is supplied) Blink (when battery is low)
Detection Indicator	Red LED illuminated or blinking Five patterns
Alarm	For detection (works with the detection indicator LED)
Operating temperature	0 - 40°C (non condensing)
Accessories	operation manual, three AAA alkaline dry cells (for operation check)

Dimensions



Name of Parts



Operation

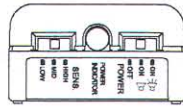
1. Power Switch and Sensitivity Switch

Power Switch Setting

OFF : Power OFF

ON : Power ON (Power Indicator (green) illuminated)
Detection alarm OFF (alarm disabled)

ON : Power ON (Power Indicator (green) illuminated)
Detection alarm ON (alarm enabled)



Sensitivity Switch (SENS.) Setting

Normally, set the switch to MID. Change the setting to LOW or HIGH in the following cases:
if INFRARED FINDER does not operate properly, check if the activation switch is installed correctly, then changing the setting from MID to LOW.
When the sensitivity is not high enough: MID to HIGH

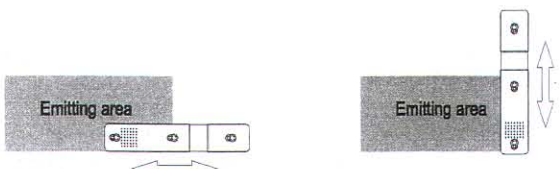
2. Detection Indicator and Detection Alarm

A pattern of the Detection Indicator blinking or the detection alarm shows the intensity of the infrared rays emitted from the activation switch.

Detection Indicator	Patterns of Blinking/Sound	Detection Condition
	Not detecting
	Peep.....peep.....peep	Low intensity of light detected
	Peep.peep.peep.peep	Medium intensity of light detected
	Peep.peep.peep.peep	High intensity of light detected
	Continual peeps	Maximum intensity of light detected

3. Checking Infrared Ray Radiation Range

- Turn the power switch of the INFRARED FINDER ON.
- See the instruction manual of the automatic door sensor and install the INFRARED FINDER in a position appropriate for checking the range of radiation.
- Slowly move the INFRARED FINDER parallel or vertically to the checking direction as shown in the picture below and check the pattern of blinking and sound.



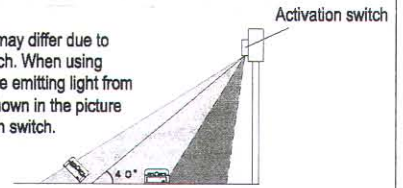
To check the intensity in the horizontal direction, move the INFRARED FINDER parallel to the activation switch.

To check the intensity in the cross direction, move the INFRARED FINDER vertically to the activation switch.

4. Guidance of Use

Position with reference to the Activation Switch

The detection stability of INFRARED FINDER may differ due to its position with reference to the activation switch. When using INFRARED FINDER with the angle between the emitting light from activation switch and the floor is 40° or less (shown in the picture right.), tilt the receiver to face with the activation switch.



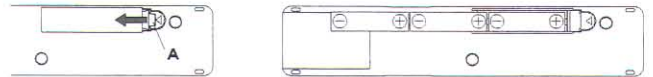
Failure to Turn Off the Power

The battery power is used even when nothing is being detected. Be sure to turn the power OFF after use for storage. If non-detecting condition continues with the power turned ON, power saving function is activated after 10 minutes and the alarm goes off. After that the alarm sounds at intervals of 1 minute.

Maintenance

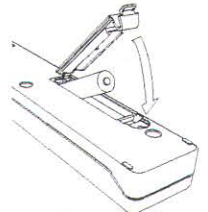
Replacing the Battery

- When the battery becomes low and replacement is required, the Power Indicator blinks. When the Power Indicator blinks, follow the instruction below to replace the battery.
- Pull the part marked A toward you while pressing it in the direction of the arrow as shown in the picture below and remove the battery lid.
 - Insert three AAA alkaline batteries by putting in the negative ends first.
 - Put the end of the battery lid into the main unit and press down the lid until it clicks.



Battery

- The batteries supplied are for operation check only.
- Be sure to use AAA alkaline batteries.
- Do not use more than one model of batteries or mix old and new batteries.
- When replacing the batteries, do not touch the electrodes. It may result in the leak or shorter life of the battery.



Disposal of Used Batteries

- Do not throw used batteries into fire or recharge them.
- Do not dispose of used batteries in ordinary garbage. Bring them to the appliance shop of purchase or dispose of them at the designated time of collection.

"Take Care of Environment". This manual uses recycled paper.

OPTEX CO., LTD.
5-8-12 Ogoto Otsu 520-0101, Japan
TEL.: +81 (0)77-579-8700
FAX.: +81 (0)77-579-7030
WEBSITE: www.optex.co.jp

OPTEX Technologies Inc.
3882 Del Amo Blvd., Suite 804
Torrance, CA 90503 U.S.A.
TEL.: +1 (310) 214-8644
FAX.: +1 (310) 214-8655
TOLL-FREE: 800-877-6656
WEBSITE: www.optextechnologies.com

OPTEX Technologies B.V.
Tiber 2, 2491 DH The Hague,
The Netherlands
TEL.: +31 (0)70-419-41-00
FAX.: +31 (0)70-317-73-21
E-MAIL: info@optex.nl
WEBSITE: www.optex.nl