

# Instruction Manual

## Garrison Security System LK-5HR

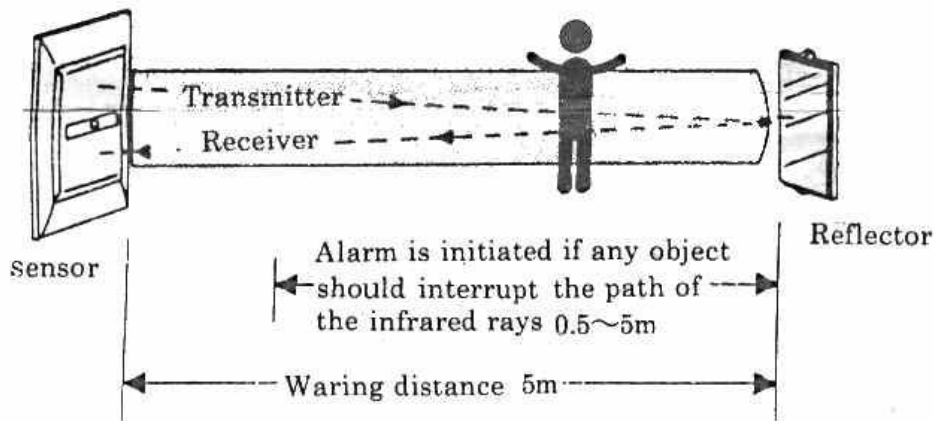
Please read instructions completely before beginning installation

### ◆ 1. Description

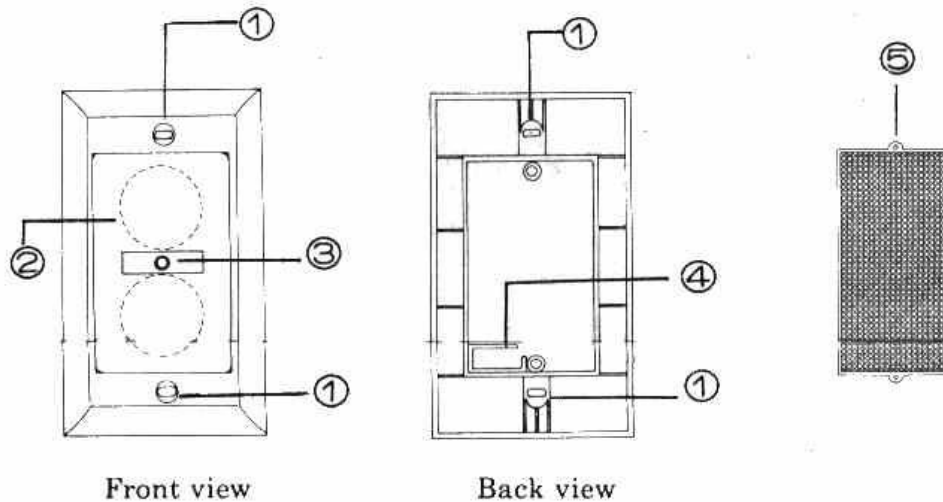
The infrared rays emitted from the transmitter are reflected in the direction of incidence and then enter the receiver.

A protection loop is formed in the route of transmitter → reflector → receiver.

Whenever this loop is interrupted, it is detected and alarm is initiated.

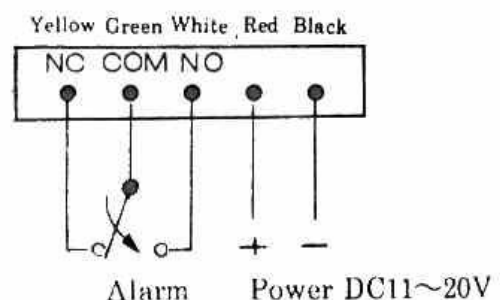


### ◆ 2. Parts Identification



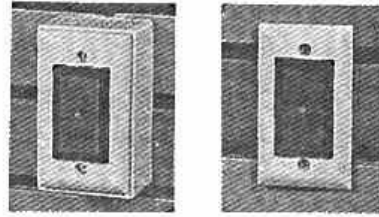
### ◆ 3. Wiring Configuration

- ① Mounting hole
- ② Infrared ray filter
- ③ LED red indicator  
(red LED on in alarm condition)
- ④ Wiring terminal
- ⑤ Reflector



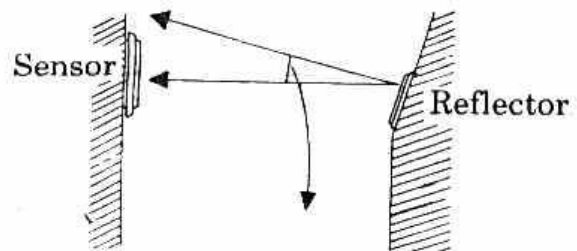
## ◆ 4. Installation.

- ① Fix the sensor inside the single gang electrical switch box.



- ② Align sensor and reflector face to face at the same height.
- ③ When power source is on, the operation red LED lights up.
- ④ Slide reflector horizontal plane to find a sensible range, observing the operation LED indicator, and temporarily fix at the center of the range
- ⑤ Also make adjustment in vertical plane in the same way.
- ⑥ The center of these horizontal and vertical is the place where the reflector is to be installed.

Note: The reflector has the function of reflecting infrared beam in the direction of incidence within  $\pm 10^\circ$  of the lateral incident angle, when the reflector is tilted, be sure to use it within the above range



An incident angle:  $10^\circ$  or less

## ◆ 5. Specifications

MODEL	LK-5HR
Alarm distance	5m
Detection method	Infrared photoelectric
Infrared beam	500Hz
Response time	100m sec
Supply voltage	DC11 ~ 20V
Power consumption	30mA (max)
Alarm signal	Non-voltage contact 1a, 1b (24V DC/1A)
Operating temperature	$-20 \sim 50^\circ\text{C}$
Connection	Lead wire

## ◆ 6. Dimensions (m/m)

