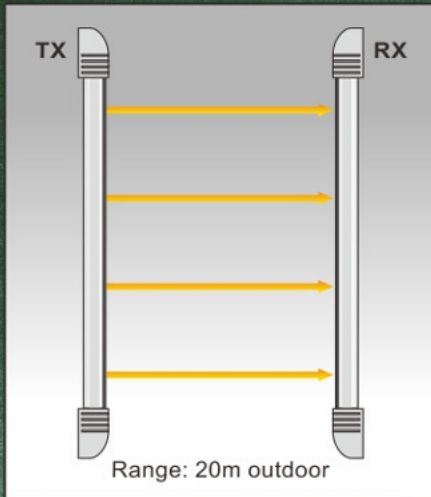# Garrison®
Security Product & System

Curtain (Strip) Sensor

LK-20HM2 2 Beams (57cm long)
LK-20HM4 4 Beams (93cm long)
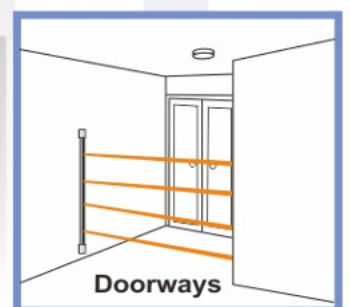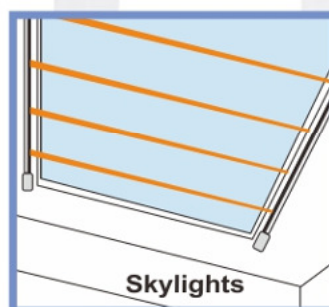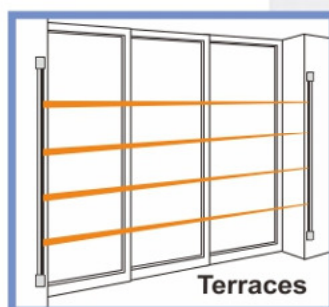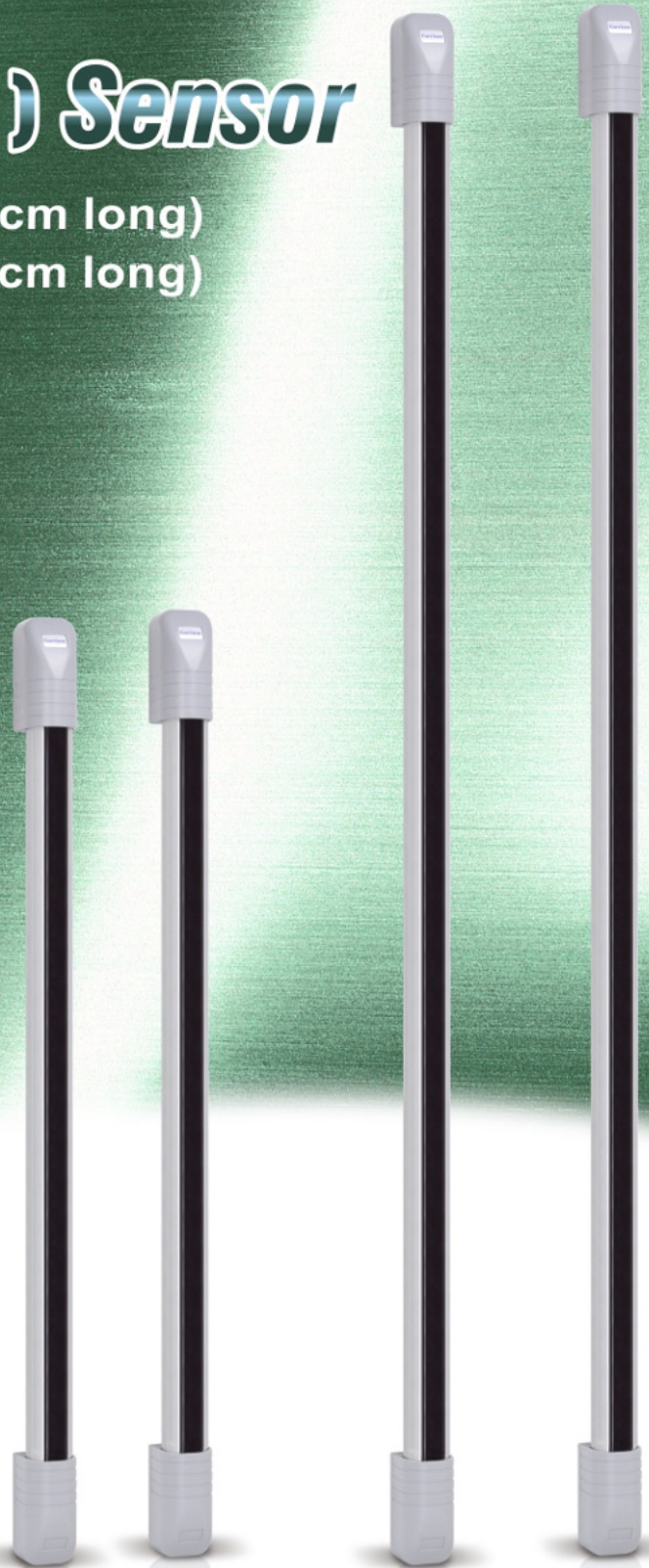
TX RX

Range: 20m outdoor

Applications:

■ Indoor/outdoor perimeter security system.
■ Install in windows, doorways, skylights, garages, gates, and space where space is limited.

Features:

■ Compact & slim type 35 mm.
■ Rugged aluminum construction.
■ Water proof IP66 construction.
■ Automatic response time control.
■ Built in beam alignment LED indicator.
■ Built in beam alignment buzzer (beep sound).
■ Three levels transmitter IR power setting, according to the distance requirement.
■ No synchronizing wire required.
■ Swivel body unit, easy installation on window frame & porch.

Windows

Terraces

Skylights

Doorways

Response time adjustment (Auto)

LK-20HM2

One beam blocked: 1.5 sec

Two beams blocked: 600 ms
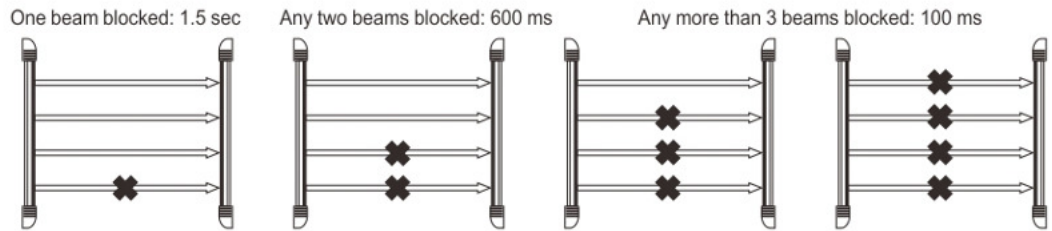
LK-20HM4

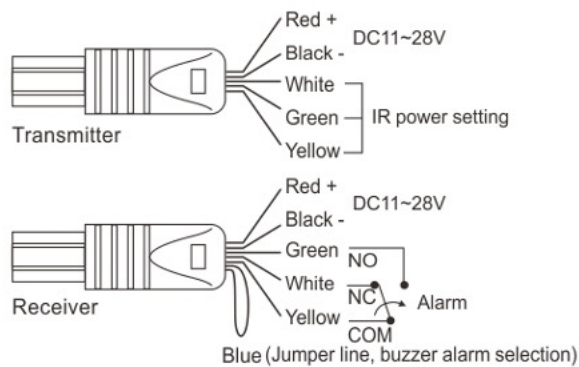One beam blocked: 1.5 sec   Any two beams blocked: 600 ms   Any more than 3 beams blocked: 100 ms
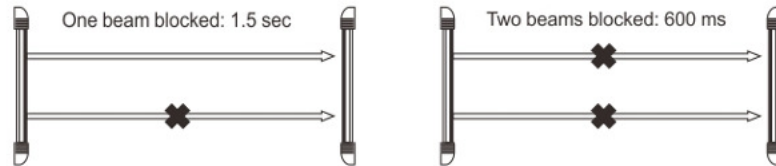
*Note: LK-20HM2, LK-20HM4 can automatically adjust response time corresponding to the number of beam blocked.

Wiring

Transmitter
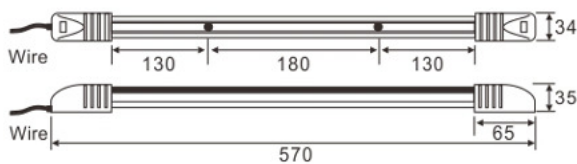- Red + — DC11~28V
- Black -
- White — IR power setting
- Green
- Yellow

Receiver
- Red + — DC11~28V
- Black -
- Green
- White — NO / NC / COM — Alarm
- Yellow
- Blue (Jumper line, buzzer alarm selection)

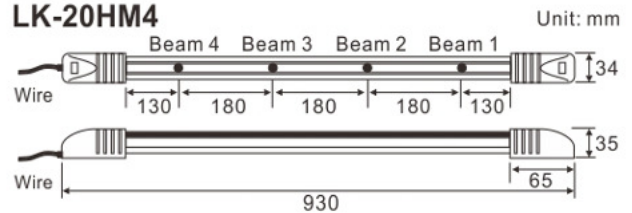| Installation distance	<5m	<10m	≥10m
IR power setting	White/Black short Black — White —	Green/Black short Black — Green —	Yellow/Black short Black — Yellow —

Jumper (Blue line)	
Cut jumper	Buzzer alarm removed for beam alignment
Short jumper	Buzzer alarm for beam alignment

Dimensions

LK-20HM2

Wire | 130 | 180 | 130 | 34
Wire | 570 | 65 | 35

LK-20HM4

Unit: mm

Beam 4   Beam 3   Beam 2   Beam 1

Wire | 130 | 180 | 180 | 180 | 130 | 34
Wire | 930 | 65 | 35

Specification

Model	LK-20HM2	LK-20HM4
Number of Beams	2	4
Detection Range	Outdoor: 20 m	
Supply Voltage	DC 11V~28V	
Current (DC12V)	55mA	80mA
LED Indicator	Good: alignment LED beam 1~2 off. Beam blocked; beam LED ON. Readjustment: beam LED blinks Alarm: Alarm LED ON	Good: alignment LED beam 1~4 off. Beam blocked; beam LED ON. Readjustment: beam LED blinks Alarm: Alarm LED ON
Response Time	600 ms / 1.5 sec (Auto)	100 ms / 600 ms / 1.5 sec (Auto)
Alarm Output	Dry contact relay output 1C, Contact action; 1±0.5 sec, Contact capacity: 30V (AC/DC) 1A or less	
Temperature	-25°C ~ +60°C	
Beam Adjustment	180°(±90° right / left)	
Mounting Site	Outdoor, indoor wall or window frame (Town house, apartment complex, luxury villa etc.)	
Dimensions (mm)	H570 x W34 x D35	H930 x W34 x D35
Weight	Tx: 295g, Rx: 305g	Tx: 490g, Rx: 510g
IP Rating	IP 66	
Materials	Aluminum, PC resin	

* Caution; Above specification is subject to change without prior notice for improvement