

Digital

(Advanced twin Series)

Twin-Beam Infrared Photobeam Sensor

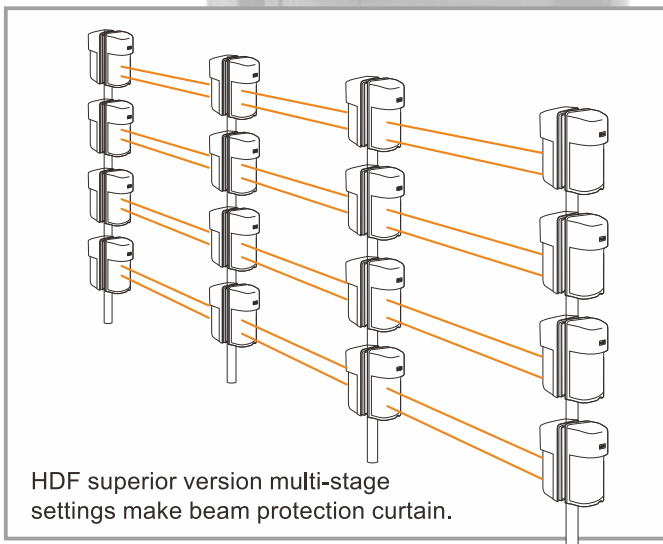
LK-25HD / **LK-25HDF** (Outdoor 25m)

LK-40HD / **LK-40HDF** (Outdoor 40m)

LK-60HD / **LK-60HDF** (Outdoor 60m)

LK-80HD / **LK-80HDF** (Outdoor 80m)

(Standard version) / (Superior version)



LED level meter for beam alignment. Three LEDs on the receiver act as a level meter to visually display the beam reception level. 10-level LED indicator enables quick and accurate beam alignment.

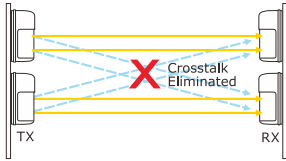
Features

1. Powerful and reliable twin beam detector
2. Easy optical alignment with LED indication
 - ⦿ 10-level LED indicator, we can check beam strength easily.
 - ⦿ Highly accurate alignment, no need to use voltmeter.
 - ⦿ No need for using beam blocking plate.



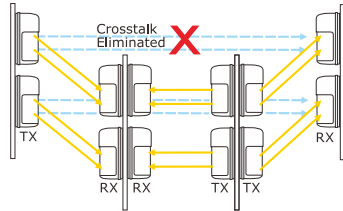
3. Selectable 8-channel beam frequencies (HDF version only) selectable beam frequencies for beam stacking and long distance applications without crosstalk.

Beam stacking applications



8-selectable beam frequencies that ensure the elimination of unwanted "crosstalk" between different sets in a system. Crosstalk can occur when two or more sets of active infrared beams are installed at the same side and/or in close proximity to one another, which can lead to "no-alarm" problems.

Long distance applications

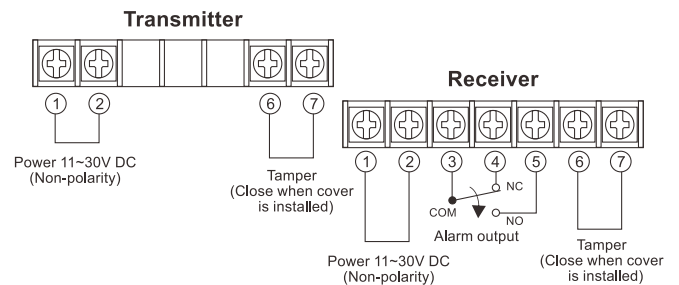


8-selectable beam frequencies can also eliminate the crosstalk that can occur when using several sets of detectors for long distance applications. This happens when the infrared beam travels beyond its intended target.

4. Up to 8-sets for multiple installation (HDF version only)
5. Adjustable beam interruption period (50~700msec)
6. Lighting & surge protection. Automatic gain control circuit.
7. Form C relay providing more applications.
8. Anti- Frost design.
9. Target color, structure colors, is tuned to the peak wavelengths of human vision, to be easily targeted in the beam alignment process.

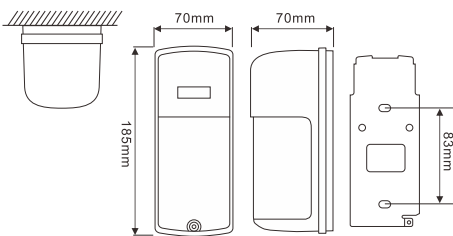


Terminals

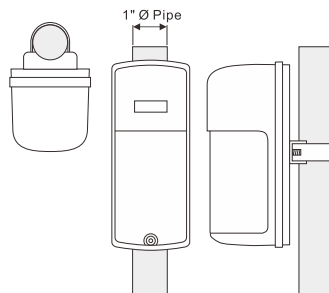


Dimensions

Wall mount



Pole mount



Pole mount



Specifications

Model	LK-25HD	LK-40HD	LK-60HD	LK-80HD	LK-25HDF	LK-40HDF	LK-60HDF	LK-80HDF
Coverage out door use	25m	40m	60m	80m	25m	40m	60m	80m
Selectable beam frequency	N/A				CH1~CH8 8 channels			
Response time	50~700msec (variable)							
Power input	11~30VDC (no polarity)							
Power consumption (at 12VDC input)	45mA	55mA	60mA	80mA	40mA	50mA	55mA	70mA
Indication LED	Power LED: GREEN LED (transmitter) / ALARM LED: RED LED (receiver) BEAM alignment level LED: 3 RED LED (receiver)							
Alarm duration	1±0.5sec							
Relay output	Form C relay dry contact, 1A/120VAC, 2A/24VDC (resistor load)							
Tamper	Open when cover is removed (1A/120VAC)							
Alignment angle	Vertical 20° (±10°), horizontal 180° (±90°)							
IP rating	IP66							
Mounting	Wall mount or pole mount							
Operation temperature	-25°C~ +60°C							
Weight	730g							
Accessories	Wall mount screw (4 pcs), pole mount screw (4 pcs), metal mounting bracket (2 pcs), mounting hook (2 pcs), U-clamp (2 pcs)							

The specifications are subject to change without notice.