

Digital

Twin-Beam Infrared Photobeam Sensor

《Advanced twin Series》

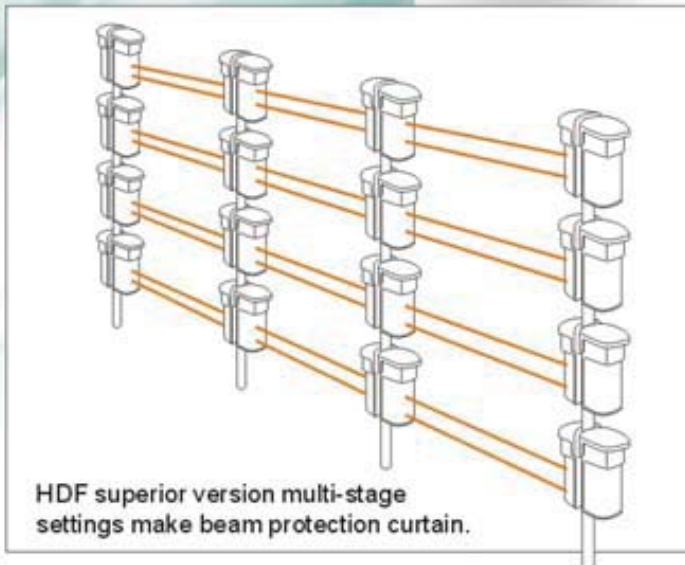
LK-25HD / **LK-25HDF** (Outdoor 25m)

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

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

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

(Standard version) / (Superior version)



HDF superior version multi-stage settings make beam protection curtain.



LED level meter for beam alignment. TWO LEDs on the receiver act as a level meter to visually display the beam reception level. Each LED changes flickers more quickly → flickers quickly → flickers slowly → turns off. 7-level LED indicator enables quick and accurate beam alignment.

Features

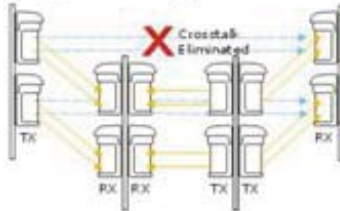
1. Powerful and reliable twin beam detector
2. Easy optical alignment with LED indication
 - ⊙ 7-level LED indicator which can be checked the beam strength easily.
 - ⊙ Highly accurate alignment with no need to use a voltmeter.
 - ⊙ No need for beam blocking plate.
3. Selectable 8-channel beam frequencies (HDF version only) selectable beam frequencies for beam stacking and long distance applications without crosstalk.



Beam stacking applications



Long distance applications



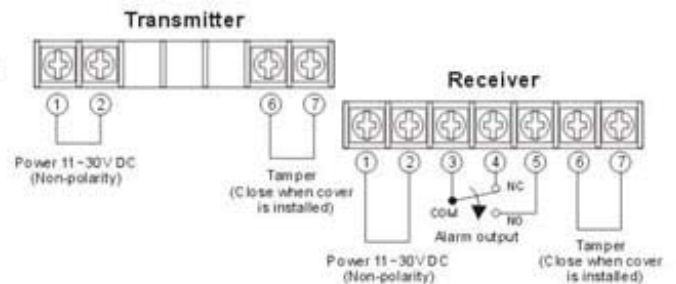
8-selectable beam frequencies that ensure the elimination of unwanted "crosstalk" between different sets in a system. Crosstalk can occur when two or more sets of active infrared beams are installed at the same side and/or in close proximity to one another, which can lead to "no-alarm" problems.

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.

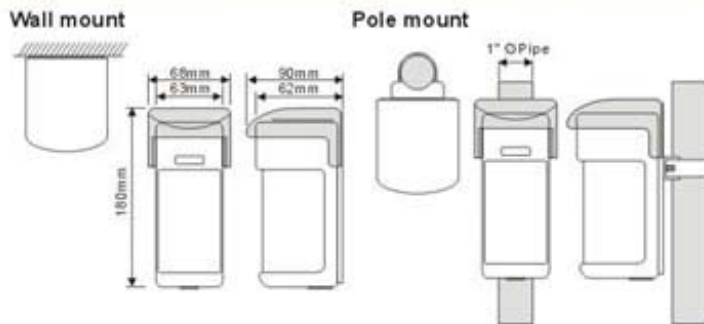
4. Up to 4-sets for multiple installation (HDF version only)
5. Adjustable beam interruption period (50~700msec)
6. Lighting & surge protection. Automatic gain control circuit.
7. Form C relay providing more applications.
8. Anti-Frost design.



Terminals



Dimensions



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	50~700m sec (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 : 2 RED LEDS (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°)							
Mounting	Wall mount or pole mount							
Operation temperature	-25°C~ +55°C							
Weight	750 g							
Accessories	Wall mount screw (4 pcs), pole mount screw (4 pcs), metal mounting bracket (2 pcs), mounting hook (2 pcs), U-clamp (2 pcs), top cover (2 pcs)							

The specifications are subject to change without notice.