

Monitored Light Curtain

IMPORTANT:

READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

The MLC-K36/K72 Light Curtain is a UL approved light curtain that can be used in place of a monitored photo-eye. It provides additional protection for the area above the floor, protecting people and vehicles more effectively than a single-beam eye.

1- Parts List

PART NUMBER MLC-K36 / MLC-K72

Kit Contents:

1. Light Curtain Emitter: 36" or 72"
2. Light Curtain Receiver: 36" or 72"
3. Four or Six Mounting Brackets
4. Hardware Bag
5. Installation Instructions



Receiver (left) Emitter (right)

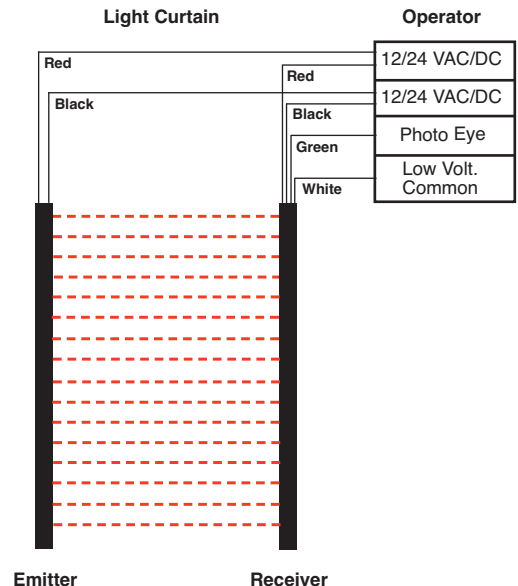
2- Installation

- 2-1. Unpack the tube and identify which stick is the Emitter (2 wires) and which is the Receiver (4 wires). The Receiver typically mounts on the same side as the operator.
- 2-2. Identify the preferred location, usually close to the door tracks on the inside of the door opening.
- 2-3. Attach the brackets to any available mounting points, using the screws provided or other appropriate hardware. One bracket should go approximately 6" below the top and another 6" above the bottom of the sticks. For the 6-foot sticks, an additional bracket should be added in the middle.
- 2-4. Make sure the brackets are all in-line. The functional operating distance between Emitter and Receiver is between 6 feet and 33 feet.
- 2-5. Press the sticks into the brackets. The flat surface should be facing across the door opening so that the sticks are pointing at each other and the bottoms are resting on the floor.
- 2-6. Wire the sticks to the operator. A total of six (6) wires need to connect at the operator, 2 run from the Emitter and 4 from the Receiver. The black and red wires from both sticks will connect to the accessory power (usually 24VAC or 12VDC). The Green and White wires will connect to the photo-eye input (ex: LMEP & Common). Refer to the electrical connection diagram.
- 2-7. Note that only one device can be connected to the photo-eye input on the operator.
- 2-8. Confirm that the Green LED is ON at the bottom of both sticks.
- 2-9. The Red LED on the receiver indicates either an obstruction or a mis-alignment. The light curtains have a wide acceptance angle and should align easily. Test proper operation of the sticks by standing in the opening and observing the Red LED turning ON.
- 2-10. Test for proper operation with the operator and door.



Mounting Brackets

ELECTRICAL CONNECTION:



3- Technical Specifications

Power Requirements: 12-24V (10VDC minimum), 100mA max

Pulse Output: 325Hz, 15%, nominal

Range: 33 feet max., 6 feet min

Detector Wavelength: 880nm (Infrared)

Indicator Lights: Green LED for Power, Red LED for Fault

Dimensions: 1.0" x 1.1", 38" or 74" tall

4- UL-325 Compliance

The MLC-K36 and MLC-K72 are approved for use as external entrapment protection devices for garage doors. When installed as directed, they meet the UL-325 requirements.

5- FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which may be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1- Re-orient or relocate the receiver antenna
- 2- Increase the separation between the equipment and the receiver
- 3- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4- Consult the dealer or an experienced radio/TV technician for help.

Changes or Modifications Not Expressly Approved By The Party Responsible For Compliance Could Void The User's Authority To Operate The Equipment.