



INSTALLATION INSTRUCTIONS

Light Curtain

Model # LC-K36/K72



IMPORTANT:
READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

The LC-K36/K72 Light Curtain is a failsafe light curtain that can be used in place of a single beam 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

Kit Contents:

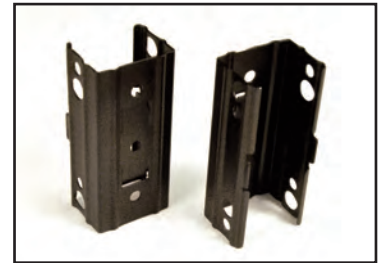
1. Light Curtain Emitter: 36" or 72"
2. Light Curtain Receiver: 36" or 72"
3. Four or Six Mounting Brackets
4. Hardware Bag
5. Installation Instructions
6. MIRCUCU-02 Controller



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 bottoms 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. Wiring consists of connecting 12/24 VAC/DC power to the emitter, receiver and the MIRCUCU-02 controller terminals marked "AC" on TB2. Also, the green and white wire from the receiver connects to the MIRCUCU-02 at TB1. Lastly the "RLY" terminals on the MIRCUCU-02 connect to your operator's safety inputs. *See Figures 1 & 2 on back.*
- 2-7. Confirm that the Green LED is ON at the bottom of both sticks.
- 2-8. 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.
- 2-9. Test for proper operation with the operator and door.



Mounting Brackets



MIRCUCU-02 Controller

LC-K36/K72_Inst_20150521

Installation Cont'd - Electrical Connections

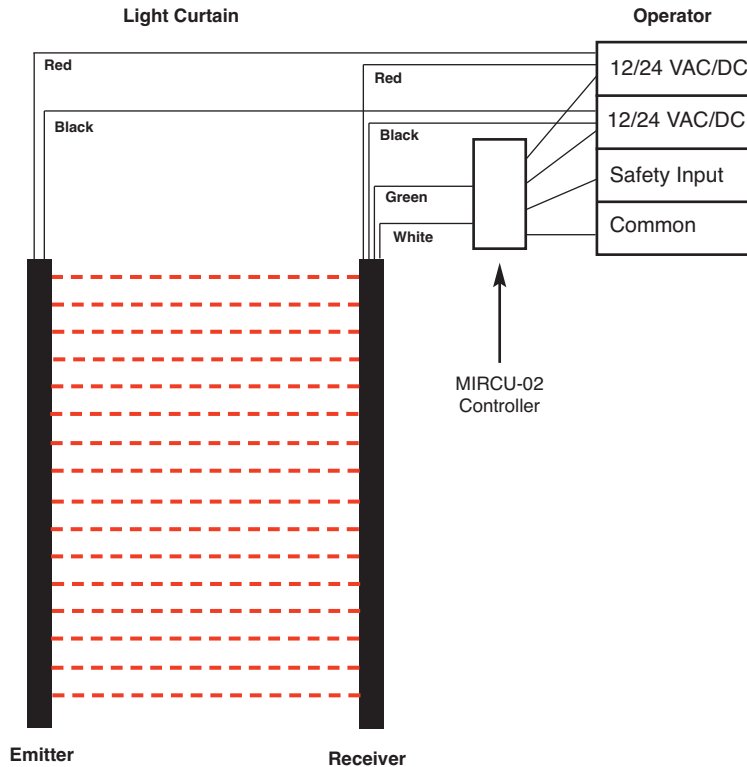


Figure 1

MIRCUCU-02 Controller

Note: The red & black wires on each light curtain stick also need to be connected to 12/24 VAC/DC power.

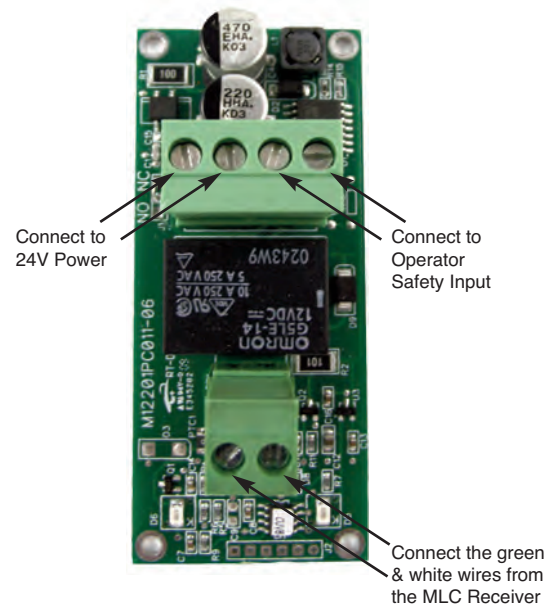


Figure 2

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- 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.