

LIGHTCURTAIN003/004

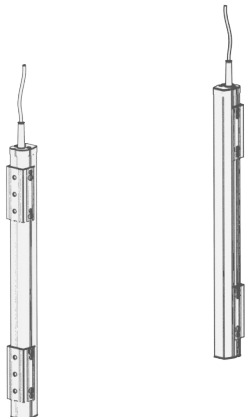
(RLC-K36/RLC-K72) Non-monitored, Without Interface Module Specifications and Installation Instructions

WARNING

TO REDUCE THE RISK OF SEVERE INJURY OR DEATH TO PERSONS:

1. READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.
2. Always shut OFF the main power before performing any electrical intervention.
3. Light Curtains are to be placed where there is a risk of entrapment or obstruction is present, thus providing protection in the area above the floor.
4. Do NOT operate equipment without a properly working and correctly wired Light Curtain attached.

Contents

Article No.	Components
LIGHTCURTAIN 003/004 (RLC-K36 / RLC-K72) External Entrapment Protection Device	 → Non-Monitored Light Curtain Transmitter & Receiver: 36" (91cm) or 72" (183cm) → 4 or 6 Mounting Brackets (depending on model chosen) → Hardware Bag

Installation Instructions

WARNING

DOORS MUST BE EQUIPPED WITH ENTRAPMENT PROTECTION DEVICES TO AVOID DANGER OF INJURY TO PERSONS.

Before installation of such devices, the installer has to identify all danger zones of the door.

Preparation

1. Unpack the tube and identify which Light Curtain is the Transmitter unit (2-wires) and which is the Receiver unit (4-wires). The Receiver typically mounts on the same side as the operator.
2. Identify the preferred location; close to the door tracks on the inside of the door opening is ideal.

LIGHTCURTAIN003/004

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Installation

1. Attach the brackets to any available mounting points, using the screws provided or other appropriate hardware. One bracket should go approximately 6" (15.2cm) below the top and another 6" (15.2cm) above the bottom of the Light Curtains. For the 72" (1.83m) Light Curtains, an additional bracket should be added in the middle.
2. Make sure the brackets are all in-line. The functional operating distance between Transmitter and the Receiver is between 6'-32' (1.83-10m).
3. Press the Light Curtains into the brackets. The flat surface should be facing across the door opening so that the Light Curtains are facing each other and the bottoms are resting on the floor.

Wiring Connections

1. Wire the Light Curtains to the operator. A total of six (6) wires need to connect from the Light Curtains to the operator.
2. **Operators with Electronic Control Board BOARD070E:**
Refer to Figure 1 and follow the instructions below:
 - i. Connect the BLACK and RED wires from both Light Curtains to Terminals #1 and #2 on the Electronic Control Board.
 - ii. Connect the YELLOW wire to the SNS Terminal #5 and the BROWN wire to the COM Terminal #3 on the Electronic Control Board.
 - iii. Proceed to step 4.
3. **Operators with Hardwired/Electromechanical Control:**
Refer to Figure 2 and follow the instructions below:
 - i. Connect the BLACK and RED wires from both Light Curtains to Terminals #1 and #9 on the operator's Terminal Strip.
 - ii. Connect the YELLOW wire to the operator's SENS Terminal #6 and the BROWN wire to the operator's COM Terminal #3.
4. Confirm that the GREEN LED is ON  at the bottom of both Light Curtains (indicating power is ON).

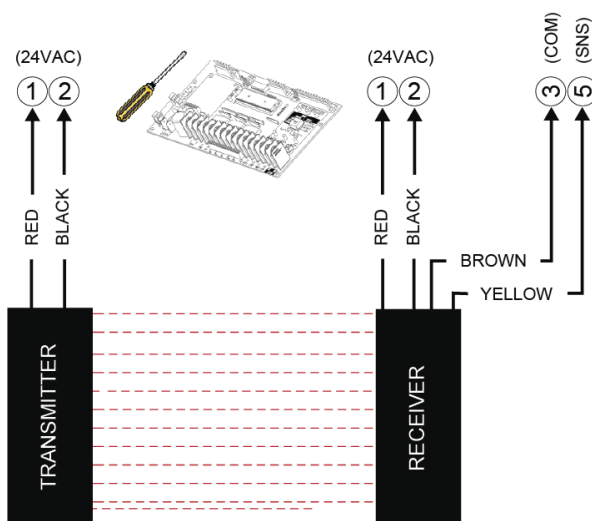


Figure 1 - LIGHTCURTAIN with
BOARD070E Operator Connection

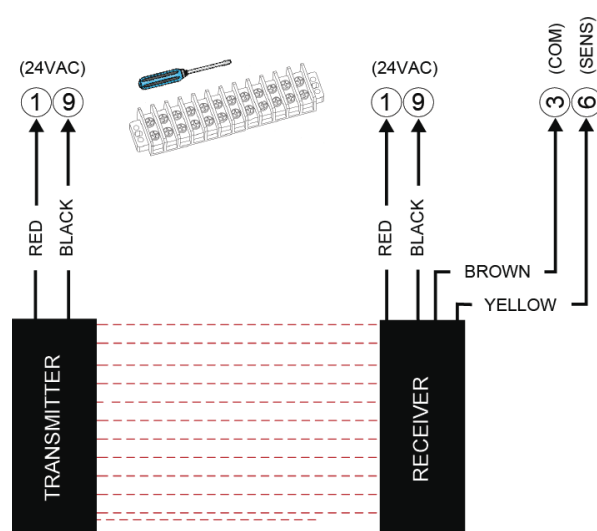


Figure 2 - LIGHTCURTAIN with
HW (Electromechanical) Operator Connection

LIGHTCURTAIN003/004

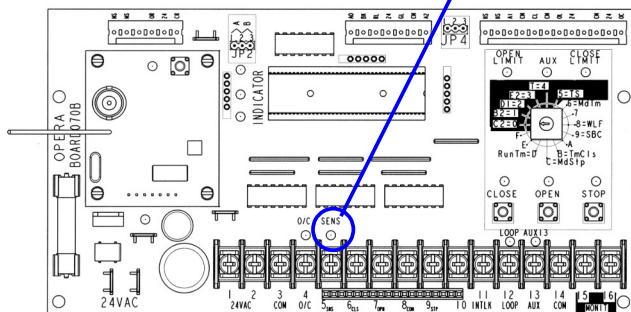
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CAUTION

- After installation, check the Light Curtains and their wiring to make sure the sensing circuit is working properly and connections are secure.
- Light Curtains must be examined periodically (at least once per month) for any signs of damage, cuts, punctures, loss of sensitivity, or water damage.

Trouble Shooting Tips

LIGHTCURTAIN 003/004 (Non-Monitored - BOARD070E)		
On-Board LED Monitoring Status: The electronic control board's LEDs help with wiring and troubleshooting diagnostics. Every LED indicates the status of the door. The electronic control board has a non-volatile memory and the LEDs return to their initial state after a power interruption.		
 LED D6 ON (RED)	Indicates the activation, obstruction or misalignment of the Light Curtain.	
LIGHTCURTAIN 003/004 (Non-Monitored – Hardwired / Electromechanical Control)		Refer to the “Trouble Shooting Tips – Light Curtains” section for further information.
For Hardwired / Electromechanical Control operators, the status of the LED's found on the Light Curtains will assist with troubleshooting diagnostics.		



LIGHTCURTAIN003/004

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Trouble Shooting Tips – Light Curtains

LED Color & Status	Unit	Diagnosis	Cause / Solution
 GREEN ON	RX / TX	Power	➔ Normal Operation.
 GREEN OFF	RX / TX	No Power	➔ Check the wire connections between the Operator, Interface Module and the Light Curtains.
 RED OFF	RX	Light Curtain is NOT Active	➔ Normal Operation.
 RED ON	RX	Light Curtain IS Active, Fault	➔ Light Curtain has been activated, obstructed or is misaligned.

For further information, please consult the operator's Installation & Instruction Manual or contact our Technical Support Department at **1-800-361-2260**.