

*Elevator Load Control Sensor*



**Installation Manual**

**PG305**

## Dual-Channel Photocell Installation

### Step 1: Frame Preparation

Drill four holes on the elevator door frame:

- Two at **20 to 40 cm** from the floor using a **12.5mm drill bit**.
- Two at **70 to 90 cm** from the floor using a **12.5mm drill bit**.

Securely install the photocell units into their designated positions:

- **Transmitter 1 (Yellow Cable)** opposite **Receiver 1 (Red Cable)**.
- **Transmitter 2 (Green Cable)** opposite **Receiver 2 (Blue Cable)**.

### Step 2: Cable Routing

Route the transmitter and receiver cables through the door frame, using a protective conduit, to the cabin top.

### Step 3: Wiring

Connect the wires as per the wiring diagram:

- **Transmitters (Yellow, Green).**
- **Receivers (Red, Blue).**

Ensure all blue and black wires are correctly connected to their respective terminals.



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## Step 4: Testing

Correct wiring should result in:

- **Green LED ON.**
- **Red LED OFF.**

Block any photocell beam to activate the **red LED**, indicating proper function.

## Additional Troubleshooting for Dual-Channel

Verify that each transmitter (transparent LED) faces its respective receiver (black LED).

If the red LED remains on:

- a. Switch the position of **Transmitter 1 and 2** on the controller.
- b. Realign the transmitter and receiver.

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## Technical Notes

- Ensure the power supply is stable at **24V DC** for optimal performance.
- Use only the recommended wiring and configuration as per the device manual.

This guide ensures a smooth and accurate installation of Turbocell photocells for optimal safety and



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