



DOOR DETECTOR - LUX SERIES

WITH POWER SUPPLY

USER MANUAL

WECO

Version UM.LUX.ENG.25B



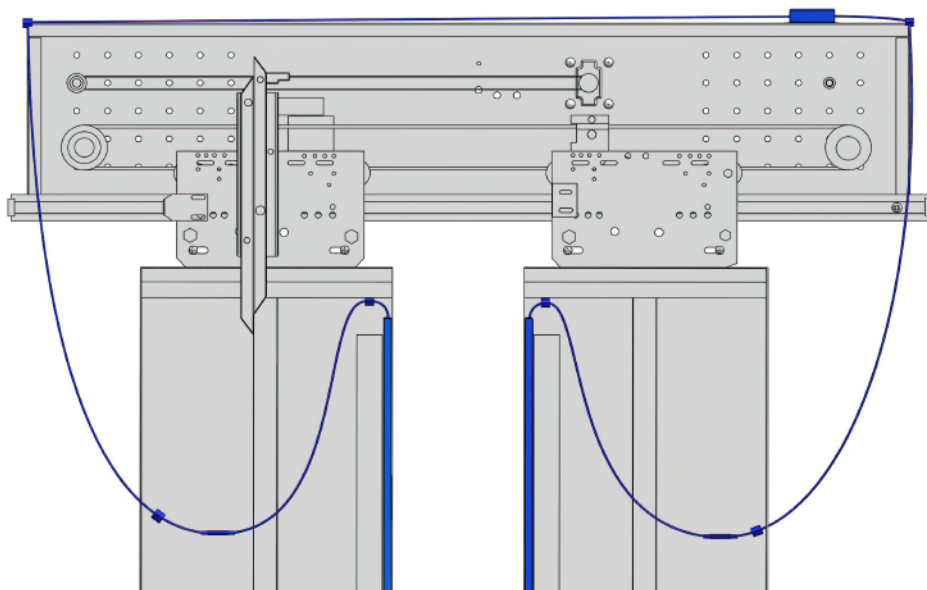
INSTALLATION INSTRUCTIONS

1. Securely fix the transmitter and receiver to the car/car doors through the fixing holes with the bolts provided, ensuring that the labels are pointing outwards.
2. Ensure that both the receiver and the transmitter are at the same level.
3. Fix the power supply (LX5) to the car top. Ensure that the steel cover is grounded.
4. Connect the power supply to the INPUT terminal. Connect the output signals to the OUTPUT terminals.
5. Connect the cables from the receiver and the transmitter to the input terminals of the door controller. Ensure both cables can be easily and smoothly bent. Tightly lock both sides of the intermediate connectors.
6. Switch on the power.

LED strip: where the distance is greater than 500mm the LED strips will flash 4 seconds to establish position. Where the distance is less than 500mm the LED strips will turn red.

Receiver profile (RX): a faint yellow LED will light behind the LED strip approx.290mm from the top of the profile.

Power supply: the green LED is lit when the system is powered. The red LED is lit when an obstacle is detected.



ⓘ Dynamic installation only



- This equipment should only be installed by qualified technicians.
- Carefully follow the instructions in this manual.
- Do not drill the PCB.

NOTES ON HANDLING

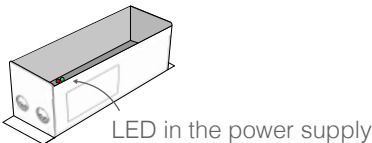
- Keep the connection cables away from high voltage and/or high current wires.
- Keep the connection cables away from the door motor and door drive.
- Avoid direct sunlight or other infrared ingress to the receiver (RX).
- Prior to power-on, clean the lenses with a soft, damp cloth.
- Do not bend or twist the edges, and do not scratch the lenses.

PLANNED MAINTENANCE PROCEDURE

- Ensure that the yellow LED is lit (system functioning), and then clean the lens with a soft, damp cloth.
- Check all plug and terminal connections.
- Perform a detection test by inserting an object greater than 50mm between the TX and RX.
- The red LED status indicator in the power supply will light up to confirm object detection.

TROUBLESHOOTING

The yellow LED in the receiver is not lit.	The cable is broken or not connected.
The green LED in the power supply (LX5) is not lit.	The power supply wires are broken or incorrectly connected. The terminal connection is too loose. The power supply is broken and needs to be replaced.
The red LED in the power supply (LX5) is lit when there is not obstacle between the RX and TX.	The plastic filter is too dirty. Other infrared equipment is nearby. The ambient light is stronger than allowed. There is a system fault.
The red LED in the power supply (LX5) is lit correctly when interrupted, but the car door doesn't open.	Wrong connection with NC/NO contacts. The output relay is broken. Check the wiring.



LED STRIP IN PROFILES



A fuzzy algorithm is taken to calculate the position of the doors, which only functions in dynamic installation and adjusts distances and times based on the speed of the door operating system. The information below is for general guidance.

1. DOOR OPENING SEQUENCE:

- 1.1 When the door distance is < 100mm, the LED strip is not lit.
- 1.2 When the doors are opening, and the gap is between 100mm to 500mm, the LED strip will emit a **SOLID RED ●** light.
- 1.3 When the door distance is > 500mm, the LED strip will emit a **FLASHING GREEN ⚡** light.
- 1.4 After the doors have been fully opened for 4 seconds, the **FLASHING GREEN ⚡** light will switch to a **SOLID GREEN ●** light.

2. DOOR CLOSING SEQUENCE:

- 2.1 When the doors start to close, the LED strip will emit a **FLASHING RED ⚡** light.
- 2.2 When the doors are closing, and gap is between 400mm to 100mm, the **FLASHING RED ⚡** light will switch to a **SOLID RED ●** light.
- 2.3 After the doors are fully closed for 4 seconds, the LED strip will turn off.

POWER SUPPLY

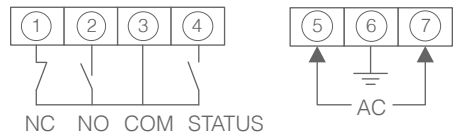
TECHNICAL FEATURES:

03.G5.PWS.LX5  BUZZER

INPUT VOLTAGE	85-265VAC, 50/60HZ
OUTPUT VOLTAGE	12VDC±5%
OUTPUT TYPE	Relay 1NC, 2NO
OUTPUT CAPACITY	1A@120VAC or 1A@24VDC
PROTECTION RATING	IP31
POWER	10W

POWER SUPPLY

WIRING:



BUZZER FUNCTION:

SW1	Buzzer functions	ON	Buzzer on	OFF	Buzzer off
SW2	Buzzer delay	ON	Delay 20s	OFF	Delay 30s
SW3	Buzzer active	ON	Infinite	OFF	60s
SW4	Buzzer setting	ON	Intermittent	OFF	Constant

PACKING LIST

Power supply	1 piece	Receiver (RX)	1 piece
Cables	2 cables	User manual	1 copy
Transmitter (TX)	1 piece	Mounting accessories	1 set



Please check if anything is missing from the packing list.
Contents may differ slightly according to the customers' specific requirements.