



AURORA

LIFT DOOR VISUAL AID SYSTEM

INSTALLATION & OPERATING MANUAL





PRODUCT CODES: AURORA/01

**PLEASE READ THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION
AND RETAIN THEM FOR FUTURE REFERENCE**

Safety Warning

These warnings are provided in the interest of safety. You must read them carefully before or using this equipment

- All installation and servicing must be done by a qualified electrician or other competent person.
- It is dangerous to alter specification or modify the product in any way.
- Ensure that these instructions are passed on to the end user.
- Do not bend or squeeze the LED flex sharply.
- Please make sure that the PVC coating is not damaged, as this may cause the LED flex to short circuit.
- Do not power the system with the flex LED coiled, they both must be uncoiled before power is switched on.
- Do not submerge the LED flex in water.



Introduction

Aurora, Lift Door Visual Aid System has been designed to aid visual sight of a lift door opening and closing. **PLEASE NOTE, THIS IS NOT A SAFETY DEVICE BUT A VISUAL WARNING AID.** This simple stand-alone system only requires a 240VAC supply. Each LED strip can be positioned on the leading edges of the door or the existing safety edges. Two magnets are positioned onto the lift car top door header and the moving fixed magnet is fixed to the moving part of the door.

When the lift doors open, the strip will light up **GREEN** and then stay on **GREEN** when the doors are parked fully open, this is to indicate safe exit and entry in and out of the lift.

When the doors begin to close, the LED strips turn **RED** to warn people not to exit or enter the lift. Should the door safety edge be triggered, the doors will reopen with the **RED** warning LED still lit until the doors are fully open. Once the doors are fully open, the **GREEN** LED strips will light up to indicate safe exit and entry into the lift again.

Technical Specification:

Power Supply: 220VAC to 240VAC 50/60 Hz.
Power Supply Output: 24VDC, 2.500mA, 60W
LED Strip Supply: 24VDC
LED Strip Power: 14.4W
Operating Temperature: -20° - +45°
Waterproof: IP65



Installation Instruction

INTRODUCTION

To ensure reliable and trouble-free operation of your “AURORA” Lift Door Visual Aid System, it is important to ensure that you use the following information.

Each part of the Aurora system must be checked before the installation can be carried out to ensure that all the correct components are present as per the kit list.

Only use correct power tools and hand tools for the screws within the installation pack.

Firstly, identify a suitable location to install the system by carrying out an assessment of the area. The area must be suitable for the application and be free from any water or damp.

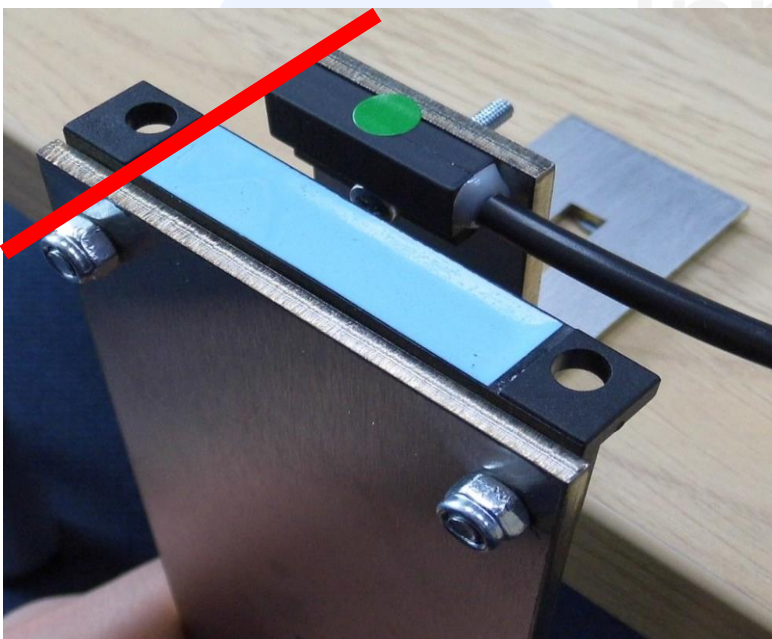
Please ensure that the surface area for the position of the Flex LED strips is free from water, dirt or any other substance that will not allow the self-adhesive strip to adhere too.



Position the control unit on the car top towards the front of the lift car.

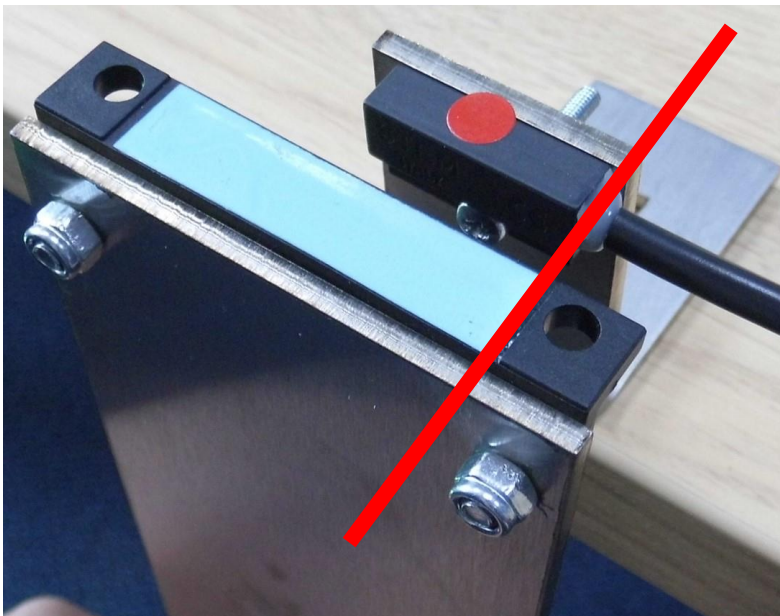


With the lift doors closed, determine a suitable position for the **GREEN** switch and bracket. This should coincide with the position for the moving magnet part as pictured below. The starting point must be as pictured when the doors are closed. **DO NOT GO PAST THE RED LINE!!!**





When the lift door is fully open, position the **RED** switch and the moving magnet bracket as pictured below. **DO NOT GO PAST THE RED LINE!!!**

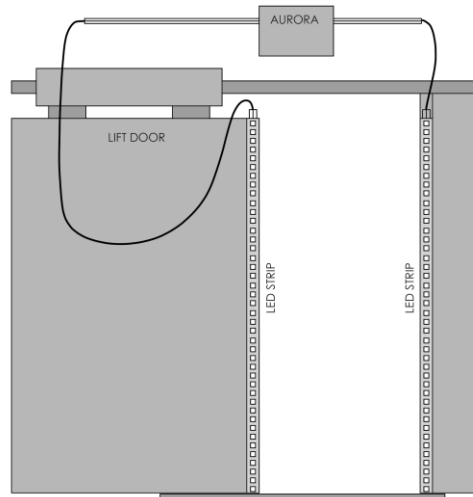
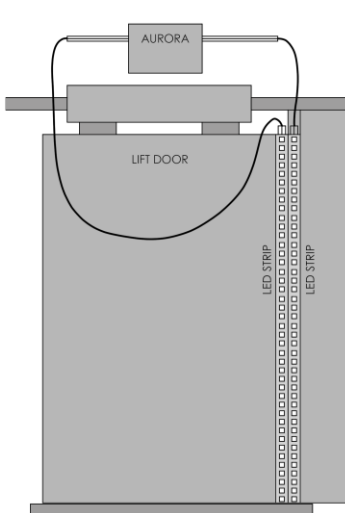


Please make sure the running clearance between the moving magnet and the fixed open/close switches is no more than 10mm.

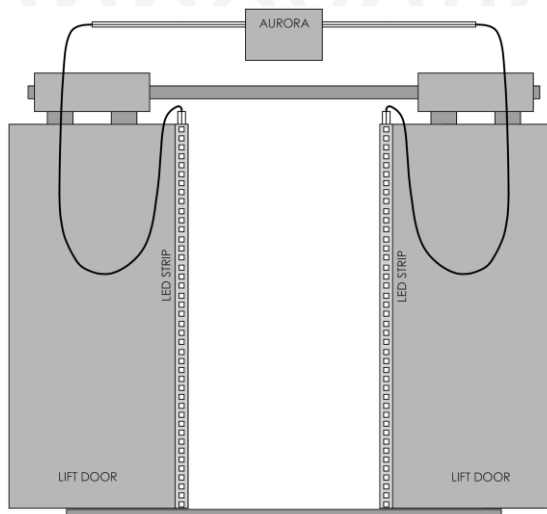
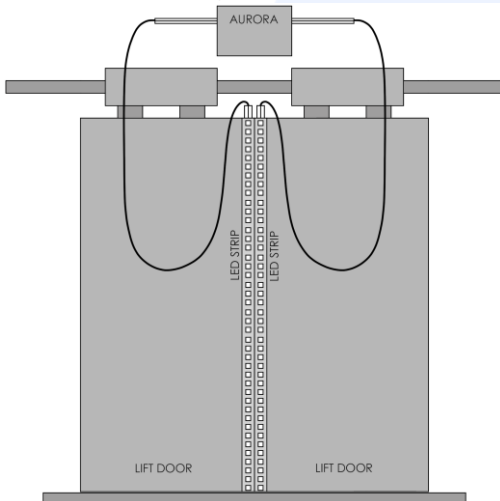


As per the drawings below, depending on your door arrangement, determine the best position to install the LED strips on both sides of the entrance. Please make sure the surface is clean and suitable for the self-adhesive strip to be mounted on.

Side Opening Doors:



Centre Opening Doors:





Power Supply:

Before connecting to your power source, please make sure that the trip switch within the mains controller is in the **OFF position**.

Connect the incoming main supply voltage: 240VAC to the power lead.

Brown Cable = Live
Blue Cable = Neutral
Earth Cable = Earth

How to Test

- With the lift doors closed, switch on the control unit via the trip switch.
- Both LED strips will flash different colours before it turns off with the magnet in the correct starting position.
- Open and close the lift doors, the LED strips will turn **GREEN** for open, **RED** for close.
- When the doors are closed, LED strip lights turn off.

Elevator Equipment Limited reserves the right to improve the product specification without prior notice.