Follow manufacturer's instructions for safe appliance use.

Landing System Indicator Installation

Rev E

11/19/2025

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ASME A17.1-2022/CSA B44:22

5.3.1.19.9 Remote Operation Indicator. Where direct observation of the elevator drive sheave, sprocket, or suspension means is not possible from the control room or control space, display devices shall be provided in the control room or control space. The devices shall convey the following information about the elevator simultaneously:

(a) the direction of movement

(b) the arrival at a position within the door unlocking zone

The display devices shall remain operable during a failure of the normal building power. The power source shall be capable of providing for the operation of the display devices or the equivalent for at least 4 h.

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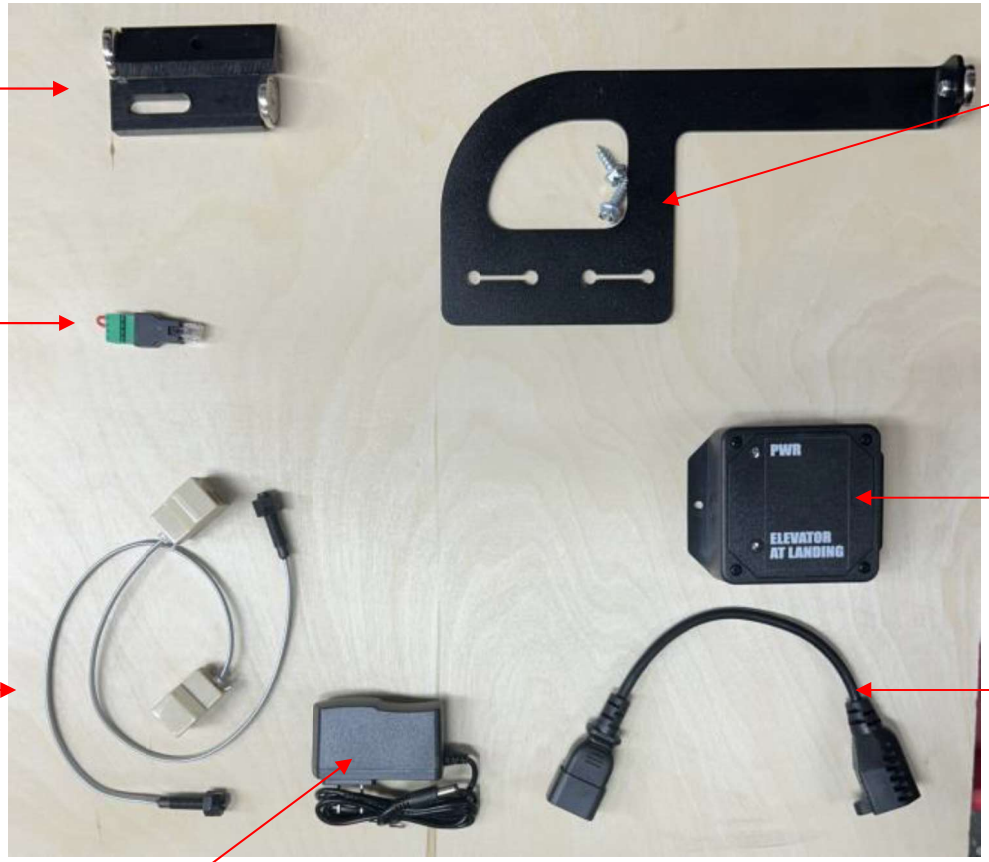
Landing Indicator Components



Landing Indicator Brackets

End of Line Jumper

Landing Sensors w/Splitters Attached

Power Adapter

Cartop Magnet Bracket With Cartop Screws

Control / Indicator Box with Indicators and Lithium Battery

240V Power Cable to USB

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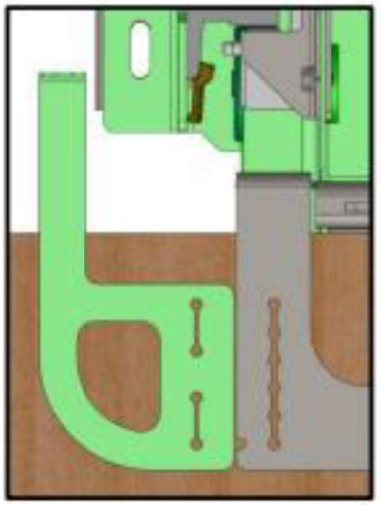
Installing Car Top Sensor Bracket

Install the Car Top Landing Sensor Bracket next to the Cab Stabilizer Bracket (as shown on the right) using the 14 – ¾ Cartop Screws provided in the kit to thread into the stabilizer bracket.

Note: *The Sensor Bracket can be installed on either the Left Side or the Right Side of the Car Top by flipping it over as needed for the job's layout.*

2019 Kit Cartop Landing Indicator Bracket
mounts beside the cab steadier bracket
(use shorter screws)



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Assembling and Installing Floor Landing Sensors

Install the Sensor into the slot on the Landing Sensor bracket as shown, then attach the Floor Level Bracket to the T-Rail at each floor level with the Magnet as shown.
Note: *Make sure to secure the sensor cable to the wall so there is no load on the sensor / bracket that would cause it to twist over time*

Note: *The gap between the Landing Sensor and the Car Top Bracket Magnet should be approximately ½”*

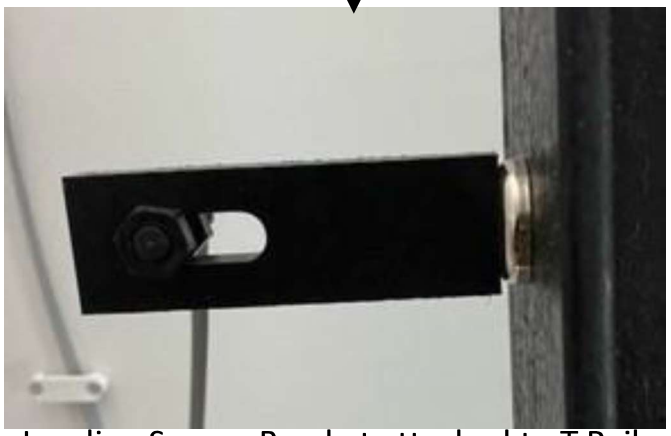


Landing Sensor

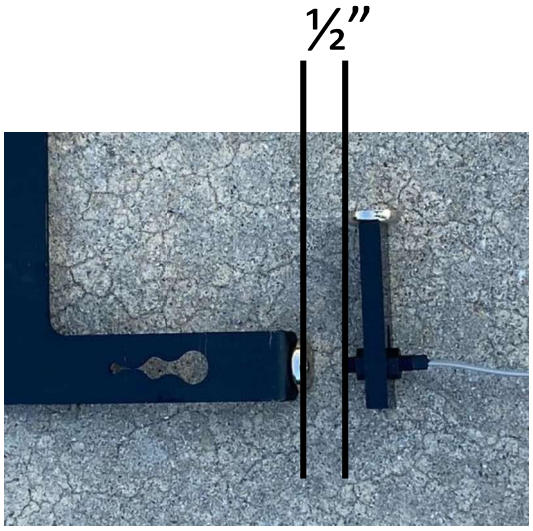
+

Landing Sensor Bracket with Magnet





Landing Sensor Bracket attached to T Rail



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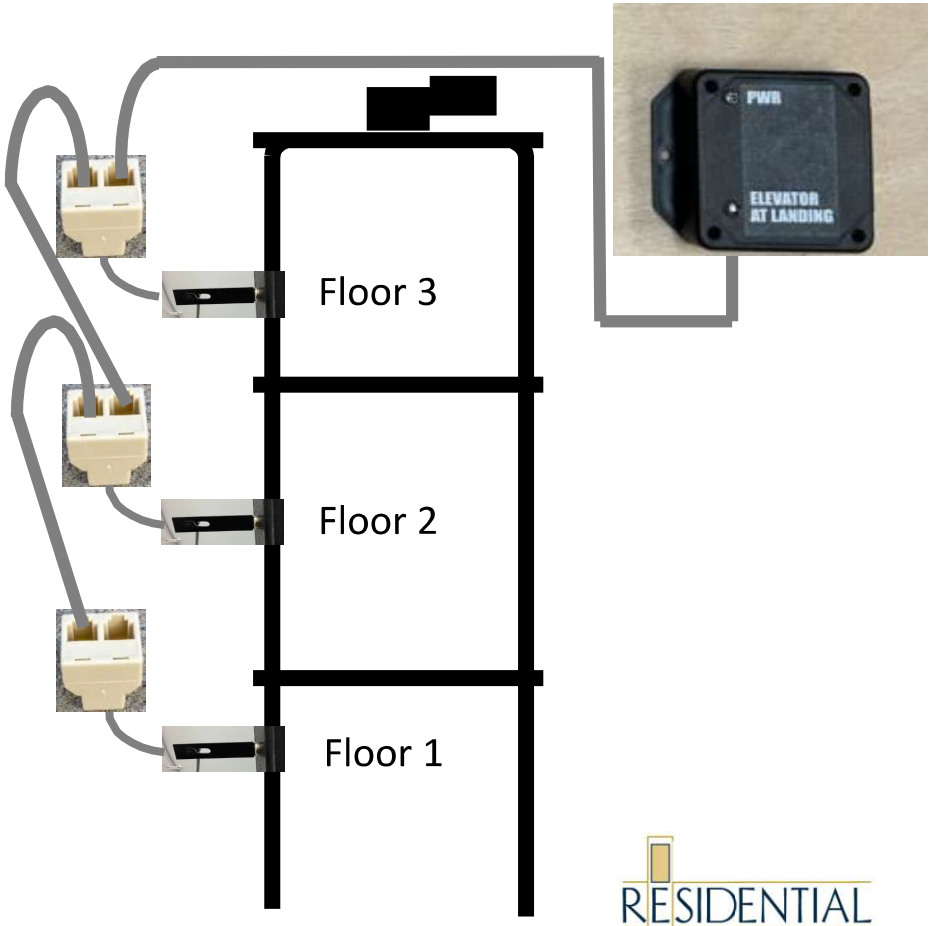
Connecting the Landing Sensors

Using 4 Conductor Gray Flat Cable with RJ12 Connectors, connect the Landing Sensors to the Control / Indicator Box and the Y Connectors provided in the kit as show on the right.

Note: *The Landing Sensor my locate on a Fish Plate or the Bed Plate Angle Bracket, simply adjust the Sensor to the other end of the Slot on the bracket so all the Sensors are in a straight vertical line and the Cab Sensor can activate the Landing Sensors.*



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Connecting the Control Unit





Power Receptible

RJ 12 Sensor Receptible

The Control Unit power should always be connected to the ***Surge Only*** side of the UPS. When the Power is lost the Control Unit's Battery will keep the unit functioning properly for well over the 2022 A17 Code Requirement of 4 Hours Minimum.

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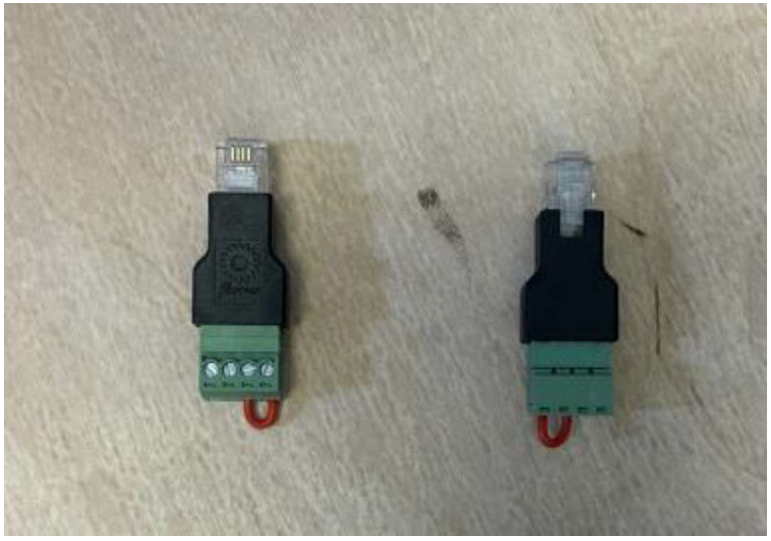
Jumper Provided

A prewired jumper will be provided. This will be installed in the open spot at the termination of the last three-way adapter in the line of reed switches.



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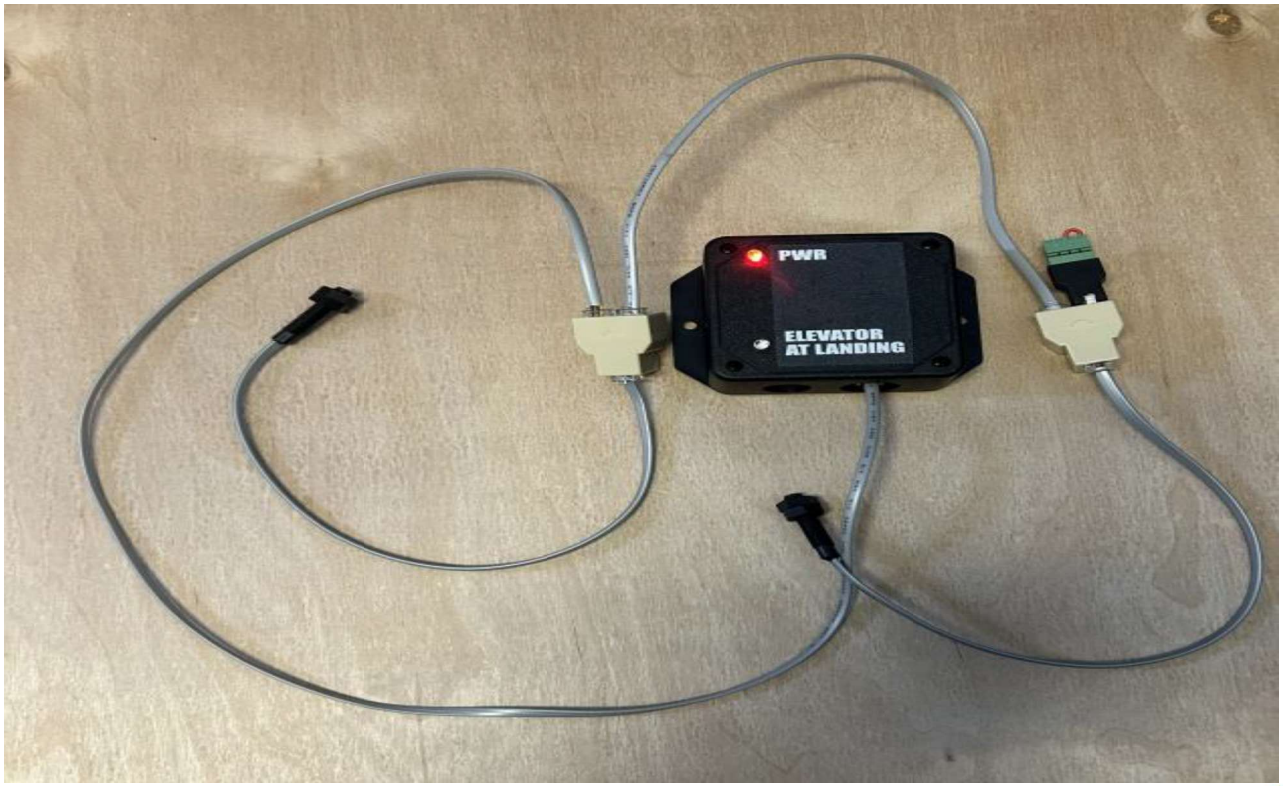
Connected with Reed Switches

Sample connection shown below. Note the jumper is plugged into the last three way in the chain.



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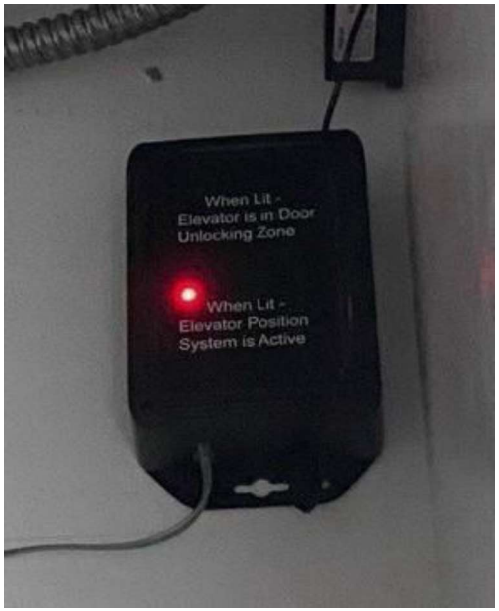
Testing the Control Unit

The Control Unit should always be placed where the indicators can be clearly seen from the access hole or manual lowering device.

The Control Unit has two lights, the **Red Light** indicates the Control Unit's power is On and the Control Unit is functioning properly.

The **Green Light** indicates the Control Unit is showing the Elevator is in a Landing Zone and can be safely exited during a power outage or emergency.

Control Unit Power is **On**



Control Unit Power is **On** and Indicating the **Elevator is in a Landing Zone**



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Testing the Unit

To test the unit, place the jumper in the RJ12 location. You can do this with or without the power supply.



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Test the Reed Swiches

Once connected use a magnet to activate the reed switches one at a time. Each switch should Illuminate the green led. Do each reed switch to verify that they work and are connected.



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