



FEDERAL SIGNAL
Safety and Security Systems

AIR_{EL}
AirDek



Installation Manual

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Safety Messages

For your safety, read and understand this manual thoroughly before installing, operating, and servicing the AirDek. The safety messages presented throughout the manual are reminders to exercise extreme care at all times.

Safety Message to Installers and Operators

The lives of people depend on your proper installation and servicing of Federal Signal/AirEL products. It is important to read and follow all instructions shipped with the products. In addition, listed below are some other important safety instructions and precautions you should follow.

Before Installation or Service

Read all instructions prior to installation.

Qualifications:

- To properly install this product, you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment.

Electrical Hazards:

- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- File these instructions in a safe place and refer to them when maintaining and/or reinstalling the product.
- Failure to follow all safety precautions and instructions may result in property damage serious injury or death.

Overview of AirDek

AirDek

The AirDek is a communication platform used to house communication equipment, license plate readers and antennae on the roof of vehicles.

Additional Items Needed

- Clean, dry cloth
- Drill/Drillbits
- Blue Thread Gasket Sealant
- Bolts/fasteners with washers of your choice

Installing AirDek

To install AirDek, do the following:

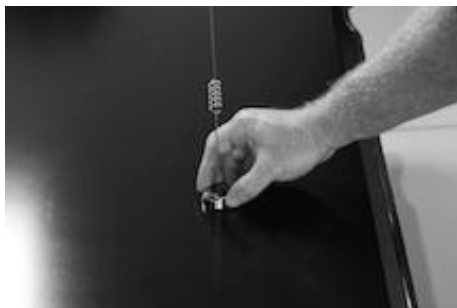
1. Clean the surface of the roof or AirDek with a clean, dry cloth.

Figure 1 Clean surface of roof



2. Place preferred communication equipment, license plate readers, antennae and identification on AirDek.

Figure 2 Place equipment on AirDek



⚠ CAUTION

Avoid drilling into AirDek support rib.

3. Remove or cut away vehicle channel molding the length of the AirDek.

Figure 3 Remove vehicle channel molding



4. Run wiring through compression fitting.

Figure 4 Run wiring through compression fitting



5. Position AirDek on vehicle.

Figure 5 Position AirDek on vehicle



6. Drill mounting holes into vehicle.

Figure 6 Drill mounting holes



7. Use fastener of choice.

Figure 7 Picture shows using rivnut



8. Apply RTV or silicone into holes.

Figure 8 Apply RTV or silicone



9. Apply blue thread sealant to screws.

Figure 9 Apply blue thread



10. Secure the AirDek to vehicle. Use washer along with choice of bolts.

Figure 10 Secure AirDek to vehicle



Getting Technical Support and Service

For technical support and service, please contact:

Service Department
Federal Signal Corporation
Phone: 1-800-433-9132
Fax: 1-800-343-9706
Email: empserviceinfo@fedsig.com

Returning a Product to Federal Signal

Before returning a product to Federal Signal, call 800-264-3578, 800-433-9132, or 800-824-0254 to obtain a Returned Merchandise Authorization number (RMA number) (7 AM to 5 PM, Monday through Friday, Central Time). To expedite the process, please be prepared with the following information:

- Your Federal Signal customer or account number.
- The purchase order number under which the items were purchased.
- The shipping method.
- The model or part number of the product being returned.
- The quantity of products being returned.
- Drop ship information as needed.
- Any estimate required.

When you receive your RMA Number:

- Write the RMA number on the outside of the box of returned items.
- Reference the RMA number on your paperwork inside of the box.
- Write the RMA number down, so that you can easily check on status of the returned equipment.

Send all material with the issued RMA Number to:

Federal Signal Corporation
2645 Federal Signal Drive
University Park, IL 60484-3167
Attn: Service Department
RMA: # _____