

Required System Parts:

- (1) Tresco® Door Receiver P/N: L-WLDSREC
 - (1) FREEDiM Wireless Door Sensor P/N: L-WLDS-BL or NI (black or nickel)
 - (1) Power Supply, Class 2, 12VDC 60W max (or) 24VDC 96W max
 - (1) Adaptor Kit (for 24V operation only) P/N: L-24VDC3INADP
- Any Tresco® low voltage 12V or 24V LED light(s)

Also see Accessories below.

Installation Instructions

FREEDiM Wireless Door Sensor

12VDC 60W or 24VDC 96W Capacity

<p>Sensor Specifications:</p> <p>Operating Voltage: . . . 3V CR2025 battery Working Frequency: . . 916.5 MHz RF Remote Distance: . . 25 ft. (7.6m)</p>	<p>Receiver Specifications:</p> <p>Input Voltage: 12VDC or 24VDC Output Voltage: 12VDC or 24VDC Max-Output Load: 5A, 60W (12VDC), or 4A, 96W (24VDC)</p>
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Read All Instructions Before Installing System.

Before beginning installation, be sure power is turned OFF to light system.

FREEDiM Wireless Door Sensors control all Tresco® low voltage LED lights. The Sensors are wireless and must be positioned within **25 ft. (7.6m)** of the Receivers. (Note: outside interference may affect the signal between the Receiver and Sensor. See 'Signal Interference' on page 2.)

Use (1) Sensor per cabinet door (or for a drawer, lazy susan, etc.). Maximum of 4 Sensors on 1 Receiver.

This system is not dimmable.

The Tresco® Door Receiver can handle 12VDC 60W or 24VDC 96W.

Installing the Receiver:

Roughly lay out the lighting system before installation to verify final positioning of all components. Install Power Supply and Tresco® low voltage LED lights per separate instruction sheets, plus follow the steps below.

1. Mount Receiver within range of Sensor(s) with (2) screws (provided).

NOTE: Steps 2 to 6 are dependent upon the function of the Sensors ...

If you want Sensors/Receiver to operate all lights on a Power Supply, follow these steps:

12V SYSTEM:

2. Disconnect Mounting Block from 12VDC Power Supply.
3. Connect Power Supply's output wire to Receiver's input wire (see Fig. 1).
4. Connect Receiver's output wire to input wire of Mounting Block (provided with power supply) or to light's input cord. After lights are plugged in, proceed to Step 7 below.

24V SYSTEM:

2. Disconnect 5-Output Barrel Splice from 24VDC Power Supply.
3. Connect Power Supply's output wire to Adaptor Kit's female barrel to female AMP® extension cord. Then connect extension cord to Receiver's input wire (see Fig. 2). (Adaptor Kit sold separately P/N: L-24VDC3INADP)
4. Connect Receiver's output wire to Adaptor Kit's male AMP® to male barrel extension cord. Then connect adaptor cord into 5-Output Barrel Splice (provided with power supply) or to light's input cord. After lights are plugged in, proceed to Step 7 below.

If you want the Sensors/Receiver to be controlled independently for separate light operation, follow these steps:

12V SYSTEM:

2. Connect 12VDC Power Supply output wire to Mounting Block (see Diagram B).
3. Connect (up to 6) Receiver's input wire(s) directly into Mounting Block.
4. Plug Tresco® 12V LED light(s) into Receiver(s), then proceed to Step 7 below.

24V SYSTEM:

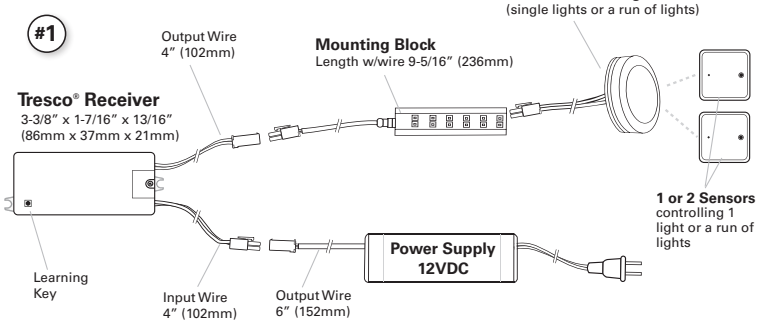
2. Connect 24VDC Power Supply output wire to 5-Output Barrel Splice (see Diagram B). (Use barrel connector extension cords if needed.)
3. Connect (up to 5) Adaptor Kit's female/female input extension cord(s) into 5-Output Barrel Splice. (Adaptor Kit sold separately P/N: L-24VDC3INADP)
4. Connect (up to 5) Receivers' input wire(s) to Adaptor Kit's female/female cord(s).
5. Plug Adaptor Kit's male/male output extension cord(s) into Receiver output cord(s).
6. Plug Tresco® 24V LED light(s) into Adaptor Kits extension cord(s), then proceed to Step 7 below.

7. Check all connections, and plug Power Supply cord into 120V receptacle

Accessories: (sold separately) Extension and Link Cords, additional Receivers, Sensors, Mounting Blocks, 5-Output Barrel Splices.

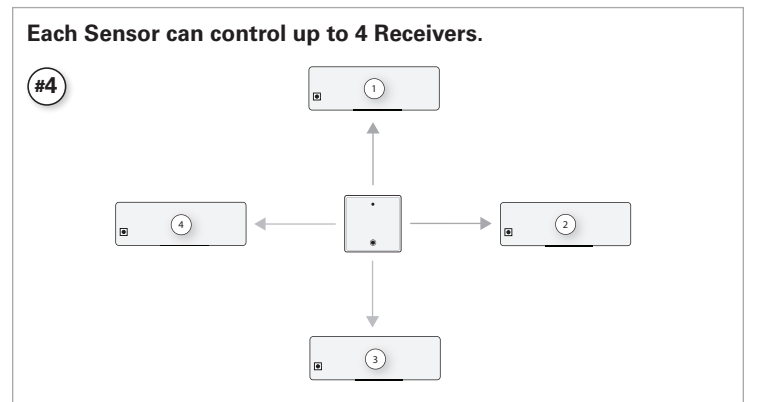
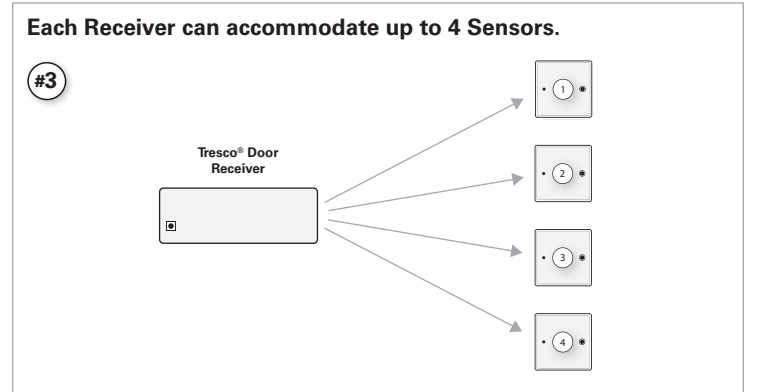
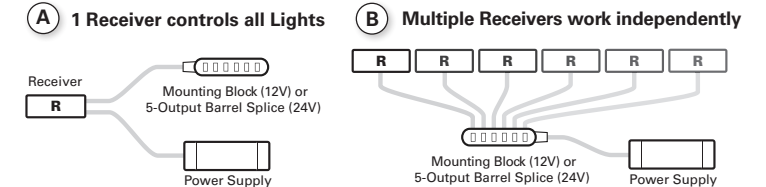
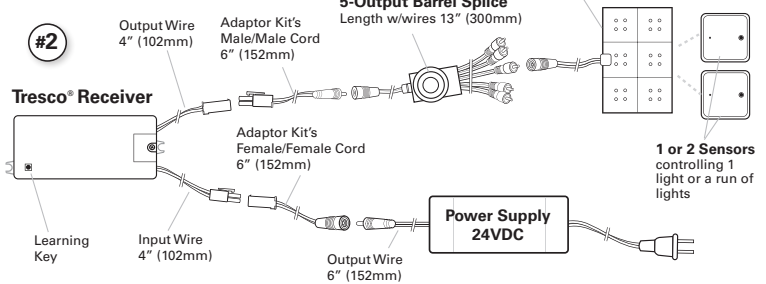
Typical Installation 12V

Sensors operate all lights on Power Supply



Typical Installation 24V

Sensors operate all lights on Power Supply



Installation Instructions

FREEDiM Wireless Door Sensor

12VDC 60W or 24VDC 96W Capacity

To Activate the Battery:

Prior to installing the Door Sensor, activate the battery inside the Sensor's top. Remove the battery cover with a coin then remove the battery and the round paper tab underneath it. Replace battery and cover.

Installing the Wireless Door Sensor:

Typically the Wireless Door Sensor is mounted higher, out-of-sight, tucked behind the face frame of a cabinet's inside upper wall (see Figs. 6 & 7).

IMPORTANT: The Sensor and flat Magnet (provided with each Sensor) must be properly aligned for the system to function correctly (see Figs. 6 & 7, details C & D). Also, the Magnet cannot be completely obstructed from the Sensor (such as by a wide face frame or other materials) (see Fig. 6, Top View).

The maximum distance the Magnet can be mounted from the Sensor (when the door is in a closed position) is **3/4" (19mm)**.

1. Separate the top and bottom sections of the Sensor by hand. Position the bottom housing of the Sensor on inside of cabinet as needed and mount with (2) screws (provided). You can also use double-stick tape or commercial-grade adhesive. Click together the two Sensor parts (Fig. 5).

NOTE: The Button on the Sensor should always be pointed toward you no matter if the Sensor is mounted vertically or horizontally (Fig. 5).

2. Apply the Magnet to the inside of the door with double-stick tape (provided) (see Figs. 6 & 7).

The Magnet is packaged with three color stickers - black, white and light brown to cover over the bright silver Magnet if desired.

Programming Instructions:

Typically, you would install 2 Sensors for a double-door cabinet (one for each door of a double-door cabinet). Then install 1 Sensor for single-door cabinets, drawers and lazy susans.

1. On the Receiver, press the 'Learning Key' one time (Fig. 1 on page 1).

2. Then on the Sensor, press the 'Button' one time (Fig. 5 on page 2).

The small signal light on the Sensor should flash on/off, indicating they are paired and ready to be programmed.

3. Next, the Receiver and Sensor(s) need to go through a 'learning cycle' to be programmed properly. To do so, open and close the first door **two times**, then open and close the second door **two times**.

4. Repeat steps above for any additional Receivers or Sensors to be paired together.

NOTE: A single Receiver can accommodate up to 4 different Sensors.
A single Sensor can control up to 4 different Receivers.
(see Figs. 3 & 4 on page 1)

To Deprogram a Receiver:

1. Hold down the Learning Key on the Receiver for 5 seconds until the lights connected to the Receiver flash.

2. The Receiver is now reset and is no longer programmed to any Sensor.

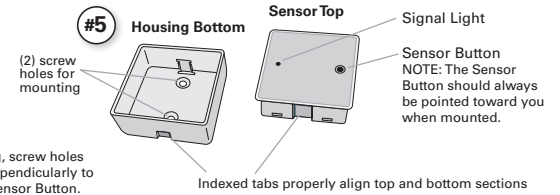
IMPORTANT SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of fire, electric shock, or injury to persons:

- Use only in dry locations. Not for use where exposed to the weather.
- Route and secure cords so they will not be pinched or damaged.
- Use only insulated staples or plastic ties to secure all loose cords.
- Replace battery with a CR2025 3V battery only. Not rechargeable.
- Use a Class 2 or LPS 12VDC or 24VDC Power Supply to power the Receiver.
- Receiver output 12VDC 60W 5A max or 24VDC 96W 4A max.
- The Receiver is not intended for recessed installation in ceilings or soffits.
- A licensed electrician should be consulted for wiring through ceilings, soffits, or walls.
- All wiring must follow NEC regulations.

Wireless Door Sensor

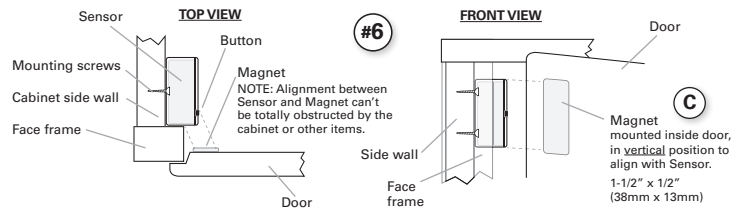
1-7/16" x 1-7/16" x 5/8"
(37mm x 37mm x 16mm)



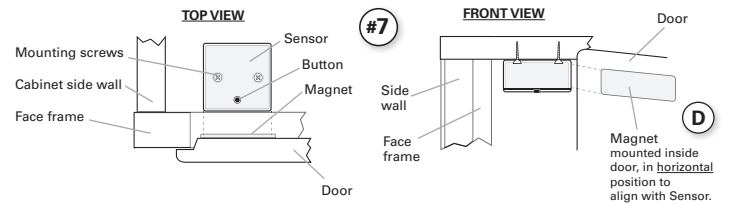
NOTE: When mounting, screw holes should be oriented perpendicularly to the Signal Light and Sensor Button. See the orientation of the Housing Bottom and Sensor Top in Fig. #3.

IMPORTANT! If the Sensor does not function properly after installation, make sure the Sensor Housing is mounted correctly. The Sensor Button should always be pointed toward you when mounted. If needed, rotate the housing bottom 90° and remount.

Side Wall Mount: When mounting on inside cabinet wall, the Sensor is in a 'vertical' position.



Top, Bottom or Shelf Mount: When mounting on top, bottom or shelf, the Sensor is in a 'horizontal' position.



Signal Interference:

Outside interference may affect the signal between Receiver and Sensor. Typical items that might cause interference include: metal pots and pans, leaded glass, aluminum framed doors, etc. If experiencing interference, try repositioning the Receiver in 6" (15cm) increments. This typically allows the system to function properly.

Save these instructions for future reference.
For technical assistance, call 1-800-227-1171



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I-DSREC-0819

Tresco® Receiver Certifications:

