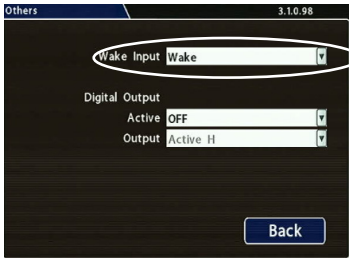
Configuring the Recorder (Wake on Input)

The Wake on Input feature triggers the recorder to automatically power up and begin recording when activated by the motion sensor.

1. Power up the recorder with a monitor and USB mouse connected, then right-click in Live view and select **Configuration**.
2. Select **Alarm/Signal ➔ Others**.
   The Others tab appears.
3. In the **Wake Input** drop-down menu, select the **Wake** option.



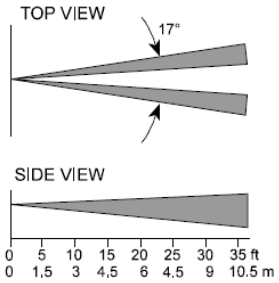
4. Click, **Back** to save settings, then click **Back** again to return to the Configuration menu.

Power-on and Test

1. After initial installation, allow 5 minutes for the sensor unit to warm up and stabilize before testing.
2. *With the vehicle ignition off*, walk slowly across the field of view to trigger the motion sensor.
3. Ensure the recorder wakes up and begins recording. For more information, check the recorder documentation on the Safe Fleet Community.

Coverage Diagrams

The motion sensor provides a narrow angle corridor pattern, with maximum coverage area of 35ft/17° (11m/17°), as shown below.



Service & Support

If a kit component needs to be returned for service, please contact the Safe Fleet technical support team, provide the part and/or serial # of your unit, and ask for a **Return Merchandise Authorization (RMA)** number.

An **RMA #** allows the support team to better track your product when it comes in for service. Please show the RMA # on the **outside** of the package.

ANY PRODUCT SENT WITHOUT AN RMA # MAY BE REFUSED!

Documentation and Warranty

Additional copies of this guide along with other documentation and product warranty can be found on the Safe Fleet Community website: https://community.safefleet.net

Technical Support

Phone: 1.844.899.7366
Email: PTsupport@safefleet.net

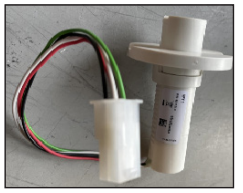
SAFE FLEET
Driving Safety Forward™

Wake Motion Detector Kit

Quick Installation Guide

The Wake Motion Detector recognizes if a person is on board the vehicle, and wakes up the recorder to capture activity. This kit is compatible with Safe Fleet H-series recorders that support the "Wake on Input" feature.

Information is subject to change without notice.
For the latest product details and installation instructions, please visit the Safe Fleet Community at: https://community.safefleet.net.



Installation Kit Contents

MSS-MISC-SPY-TH-KIT

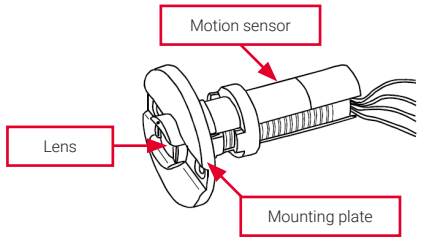
Check the package and contents for visible damage. If any components are damaged or missing, contact the Safe Fleet Service team and request an RMA (Return Material Authorization).

- Motion Sensor (MSS-MISC-SPY-1)
- Output Adapter Harness
  20.3 inches/51.6cm (MSS-MISC-SPY-1H)
- Motion Power Harness
  15 ft/4.6m (060-1257)
  - 1A fuse and holder
  - 4 x butt splices 14/16-18/22

CAUTION: Handing the sensor

Never touch the infrared lens - always hold the motion sensor unit by the mounting plate or the sides.

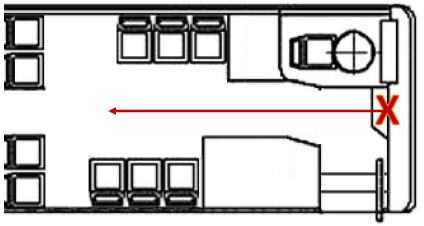
Do not open the motion sensor, either from the front (lens end) or the back (wire end).



Mounting Location

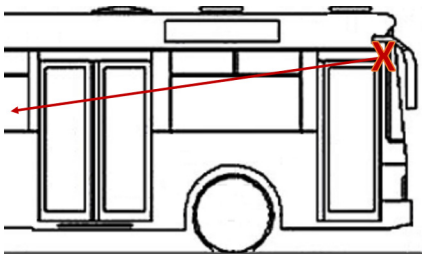
Mount the sensor at the front of the bus, about 6 feet above the floor.

We recommend mounting to the lower part of the signage area. When mounting on the signage access door itself, leave enough slack in the wiring so the door can swing open.



Aim the lens straight down the center aisle, angled downward about 10 degrees from horizontal if possible - otherwise pointed parallel to the bus floor.

Do not point the sensor upward.



For more information, see "Coverage Diagrams" on the back page of this document.

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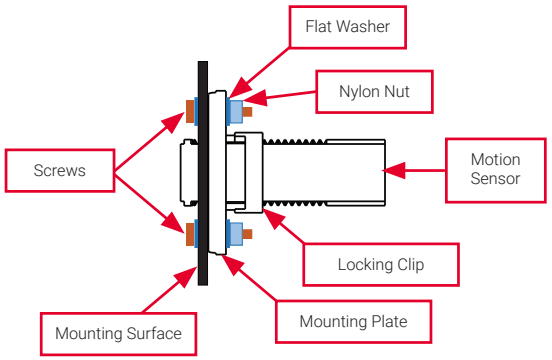
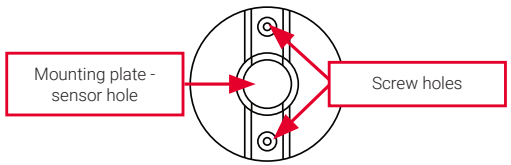
Mounting the Sensor

TIP: Required hardware

You'll need to supply mounting screws, flat washers, and nylon locking nuts. The mounting surface thickness will determine the required screw length (commonly ¾").





1. Select a mounting location according to the guidelines on the previous page.
2. Mark the sensor hole and the screw holes on the mounting surface.
3. Drill the sensor and screw holes.
   - Use a ¾" hole saw for the sensor hole, and a #31 drill bit for the screw holes.
   - Ensure you debur the sensor hole.
4. Secure the mounting plate to the inside of the mounting surface.
   - Use #6-32 round Phillips-head stainless steel machine screws of the appropriate length, nylon locking nuts, and flat washers (front and back).
5. Hold the sensor unit by the sides and slide it through the mounting plate, lens-end first.
6. Adjust motion sensor to desired length and secure with the locking clip.
   - Place the locking clip over the rear end of the sensor unit, and move it over the tabs of the locking plate until the sensor is stable in the mounting plate.
   - When installed, the lens-end of the sensor should protrude about ⅛" from the mounting surface.

WARNING: Painting components

Do not paint the motion sensor.

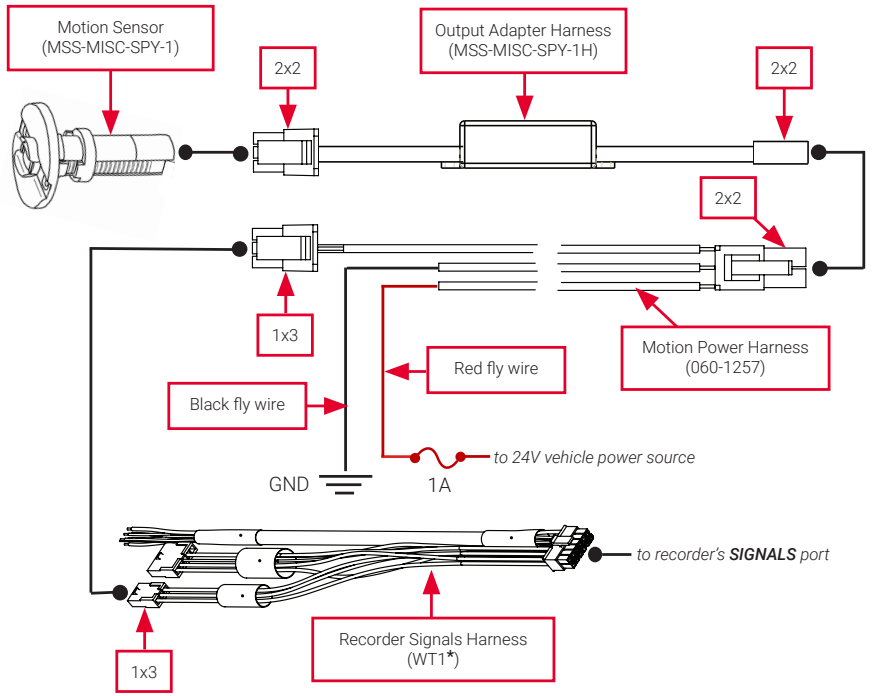
Screws can be painted to match the mounting surface.

NOTE: Lens protrusion

The motion sensor should not protrude more than about ⅛" from the mounting surface to be less visible and reduce the possibility of damage.

Fold Here

Installation Diagram



WARNING: Input voltage

The Motion Power Harness accepts voltages between 14 and 35 VDC. Voltages below 14 are not guaranteed to work properly.

* When connecting to a WT2 harness: cut off the 1x3 Molex connector from the Motion Power Harness (060-1257) and butt-splice the green wire to the WT2 green fly wire (recorder Wake input).

Wiring the Sensor

1. Connect the motion sensor pigtail to the 2x2 Molex on the Output Adapter Harness.
2. Connect the other end of the Output Adapter Harness to the 2x2 Molex on the Motion Power Harness.
3. Connect the 1x3 Molex on the Motion Power Harness to the WT1* Recorder Signals Harness 1x3 Microfit pigtail.
   i. Plug the Recorder Signals Harness into the recorder's rear-panel SIGNALS port.

   * If using a WT2 harness, see the Installation Diagram for instructions.
4. Use a supplied butt connector to splice the red fly wire from the Motion Power Harness to the 1A fuse and holder.
   i. Use a supplied butt connector to splice the other side of the fuse/holder to a 24V vehicle power source.
5. Connect the black fly wire from the Motion Power Harness to vehicle ground.