

SadoTech Motion Sensor (Model ST-FX-K, Model K) Doorbell Setup and Troubleshooting Tips

The SadoTech Motion Sensor Model ST-FX-K or Model K is a Passive Infrared Motion Detector Alert Doorbell. As such heat from a moving body that is within detectable range of 10-15 feet will trigger the alert. Please also note that there is a default 30-45 second time delay in between triggers, this is to prevent constant alerting and ringing if a trigger occurs.

1. Placement of the Motion Sensor Doorbell

Please note the position placement of the sensor makes a big difference. You may need to adjust this this to meet your needs.

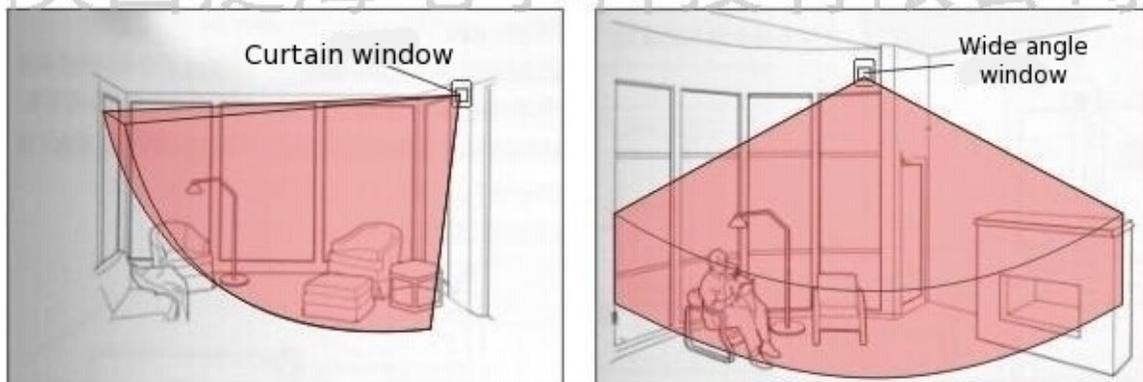
Considerations and Tips:

1. Placing the sensor outside will trigger false alarms more frequently due to moving leaves, insects, and small animals. It is suggested to use this motion sensor indoors to minimize false and random alerts.
2. Place the sensor unit indoors where there is no motion during and idle state. For example in a non-crowded hallway or against a doorway that does not open frequently or in a room that has infrequent movement or motion.

2. Two types of motion sensor detection range windows

There are two types of motion sensor detection range windows on the motion sensor.

1. Wide angle window
2. Narrow window angle (known as curtain window)



In our older models we had distributed the product with the curtain window. In general, Wide angle window detection is preferred. If you have received such a curtain window model, you can remove the curtain by following the simple steps on the sadotech.com support website.

On the other hand, if you would like to decrease the sensing area, you can leave the curtain window tape on or if you do not have a curtain window tape, just using masking tape and tape the inside of the sensing window.

3. Adjusting the Motion Sensor Sensitivity:

Please see Diagram 1

Detection sensitivity is adjustable by turning the white button (circled in red).

- Turning the white button counter-clockwise INCREASES detection sensitivity
- Turning the white button clockwise DECREASES detection sensitivity

(Diagram 1)



4. To increasing or decrease the time delay in between alert triggers

To increase the delay in between alert triggers, place the small connector on pins 2 and 3 – this will set the trigger delay to approximately 15-20 seconds

To decrease the delay in between alert triggers, place the small connector on pins 1 and 2 – this will set the trigger delay to approximately 30 -45seconds



Common Problems and Resolutions:

- 1) **Problem:** Detection range is not what was expected.
Resolution: Detection range should be about 12 meters (40 feet) at an angle of 110 degrees. Depending on how the motion sensor is installed and positioned, this will have an effect on the sensor range area. Try adjusting the motion sensor until the desired outcome is achieved.
- 2) **Problem:** Alerts do not go off when people walked through the sensor. Went off randomly when no one was around.
Resolution: be sure to place the motion detector in an area where there is not random movement. Determine from the customer If the motion detector is placed outside or inside the premises, there will be greater chance of false triggering if the motion sensor is placed outside due to small animals or random objects.
- 3) **Problem:** Chime worked while installing. Has not worked since.
Resolution: This may be due to frequent triggering of the motion sensor, which can deplete the battery power life of the motion sensor. Try replacing the 9 volt battery.
- 4) **Problem:** It does not always ring as required.
Resolution: There is a 30-45 second time delay in between motion triggers, this is to prevent constant alerting and ringing if a motion trigger occurs, this is to prevent constant alerting and ringing if a trigger occurs. The time delay in between triggers can be adjusted - see above tip #4.
- 5) **Problem:** The product does not work properly. Randomly chimes for no reason and does not chime when it's supposed to.
Resolution: Be sure to place the motion detector in an area where there is not random movement. Determine where the motion detector is placed outside or inside the premises. Note that there will be greater chance of false triggering if the motion sensor is placed outside due to small animals or random objects. In addition, there is a 30-45 second time delay in between motion triggers, this is to prevent constant alerting and ringing if a trigger occurs.
- 6) **Problem:** Does not work. Tech support advised to return the item.
Resolution: If after troubleshooting with customer support that it is determined the item does not work, then the item should be returned and processed as a return.
- 7) **Problem:** Rings constantly.
Resolution: Be sure to place the motion detector in an area where there is not random movement. Determine if the motion detector is placed outside or inside the premises, and be aware that there will be greater chance of false

alert triggering if the motion sensor is placed outside due to small animals or random objects.