



MODEL KF-100

**LOJACK CORPORATION
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Product Description: The MS100 motion sensor is vehicle mounted and monitors vibrations resulting from movement of the vehicle. The MS100 motion sensor is triggered after the piezo film sensor mounted on the PCB detects movement for a continuous one-minute period. The motion sensor, which is a three wire device, provides a positive output when triggered. The MS100 motion sensor device contains a receiver that receives a signal from the KF100 Key FOB.

The MS100 motion sensor trigger circuit is by-passed when it receives a signal from the KF100 Key FOB. The Key FOB emits a RF output every 70 seconds and when the signal is received by the motion sensor the trigger circuit is inactivated for four minutes.

Mounting the MS-100: The MS100 motion sensor can be mounted either vertically or horizontally. Performance will not vary when the module is mounted in either of these positions. Mounting brackets have been provided in the tooled plastic case to aid in installation of the module. The module should be mounted in a location of the automobile, away from heat and in an area that will provide accurate detection if the vehicle is moved or towed.

Key FOB: The KF-100 Key FOB is manufactured to be carried with the vehicles owners keys. A 3.6 volt lithium battery should be replaced in the FOB every eighteen months to assure maximum range and to avoid the MS100 from false triggering.

Adjustments: The MS100 film sensor and KF100 Key FOB are pre adjusted from the manufacturer and “DO NOT” require additional tuning or adjusting.

Wiring: The MS100 film sensor has three wires that must be connected in order for the module to work properly. The “RED” wire is connected to positive volts DC. The “BLACK” wire is connected to negative 12 volts DC. The “GREEN” wire produces a positive 12 volt DC output and is connected to the input of another device, which could be an alarm device or a communication device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following tow conditions:
(1) This device may not cause harmful interference,
(2) This device must accept any interference received, Including interference that may cause undesired operation.

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