

## [ PRODUCT WARRANTY ]

1. This product offers a limited 1 year warranty, starting from the original date of purchase. Valid only in Japan.
2. If the product fails during within the warranty period, with the failure not resulting from misuse, bad installation or after-sale damage, a free replacement will be sent to the dealership from whom the product was originally purchased. Fees may apply for travel or onsite service.
3. All warranty claims must include both the original sales receipt and defective product, and such must be submitted to the dealership from whom the product was originally purchased.
4. In the event that the original dealership no longer exists, or the dealership has moved, or the dealership refuses to honor the warranty due to "product transfer of ownership" reasons, the owner of the product may contact Kiramek Inc. directly to obtain details on warranty replacement.
5. Warranty replacement where the product is sent to the dealer or Kiramek via mail does not cover postage expenses incurred by the customer. In addition, this warranty does not cover dealership installation fees that may apply. Consult with your dealer for further details.
6. Other cases in which this product warranty will not apply:
  - Installation error
  - Failed product will require unreasonable repairs or installation work
  - Decline in product price
  - Damage due to fire, earthquake, flood, lightning, saltwater, other natural disasters
  - Installation in any vehicle other than normal 12v passenger cars
  - No Owner's Manual or Warranty card included with the product (contact your dealer immediately after purchase if this happens)
  - Date of purchase, owner's name, and/or seller's information is missing, altered or unreadable
7. This warranty document will not be reissued so please do not throw it away or allow it to be lost.

### PLEASE NOTE:

- This product warranty is limited to defective parts only and does not provide any compensation whatsoever for damages associated with the product or its installation.
- If you have questions or comments regarding this warranty, please direct your correspondence to the dealership from whom you originally purchased this product.
- Please fill out the warranty claim form below if your product has failed within the warranty period, and submit it to your dealer. Take care to accurately fill in the information as mistakes can invalidate your warranty claim.

## PRODUCT WARRANTY CLAIM

<b>PRODUCT DESC.:</b>	12V SHOCK SENSOR	<b>MODEL:</b>	318-054
<b>Warranty Period:</b>	1 YEAR <i>(validated only by dealer and/or dated proof of purchase)</i>		
<b>Date of Purchase*:</b>	Year: _____, Month: _____, Day: _____		
<b>Customer Info.*:</b>	Name: _____		
	Address: _____		
	Phone: _____	Email: _____	
<b>Seller Info.*:</b>	Name: _____		
	Address: _____		
	Phone: _____	Website: _____	

\* Please fill in these marked sections above completely.

Approval Stamp

**Manufacturer:** KIRAMEK, Inc.  
9-183-1 Itayama-cho,  
Handa-shi, Aichi-Ken 475-0936 JAPAN

**Contact TEL:** +81-569-20-5585 ( Operating Hours (ex. Sat./Sun./Holidays):  
10:00AM ~ NOON, 1:00PM ~ 4:00PM )

**NOTE:** Warranty Claims not accepted without valid Approval Stamp and/or dated proof of purchase.

# OWNER'S MANUAL

## 318-054

# Dual Stage Shock Sensor

## READ BEFORE INSTALLING

Thank you for purchasing the 318-054 two-stage shock sensor for 12V car security applications. This sensor will protect your vehicle well for many years if installed and used properly. Please read this entire manual prior to installation and usage.

## SAFETY NOTICE



### CAUTION

- DO NOT disconnect the vehicle's battery during installation, as it could adversely affect onboard airbag systems, anti-theft radios or vehicle diagnostics.
- TAKE CARE when installing this sensor. Improper wiring connections can damage vehicle electronics and/or the sensor itself. The product warranty does not cover improper installation.

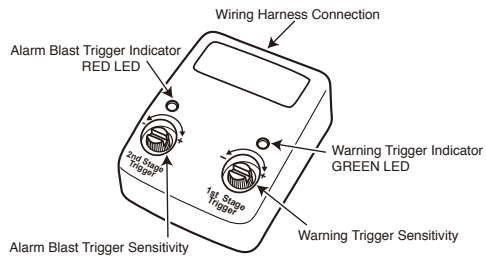
## GENERAL PRECAUTIONS



### WARNING

- This product is a 12Vdc device. Do not attempt installation on 24V vehicles.
- Read all the information in this short Owner's Manual prior to installation.
- Keep this product away from water, intense heat or humidity, dirt, and flammable liquids. An electrical short in the presence of a flammable substance can cause severe injury or even death.
- Do not attempt installation of this product if you are unfamiliar with automotive electronics or if you are not absolutely sure of how to connect the wiring. Professional installation by a certified installer is highly recommended for safety and proper functionality of the product.
- NEVER INSTALL THIS PRODUCT IN THE ENGINE COMPARTMENT!
- Failure to mount this product in a good location inside the car will result in undesired operation.
- Do not install this product close to another electronic device that could cause interference.
- Kiramek Inc. makes no warranty against theft or vandalism of the vehicle in which this product is installed.
- Any damage to this product, to the vehicle, to personal property and any physical injury or death resulting from accidents, improper use, neglect, faulty wiring, incorrect installation, modification, alteration or repair outside Kiramek Inc, shall in no way be the responsibility of Kiramek Inc. Kiramek Inc offers no insurance policy against loss, financial or otherwise.

## 318-054 FEATURES



## SPECIFICATIONS

WIRES	DESCRIPTION	CURRENT	PULSE
RED	(+)12V Power	4.7mA (Avg.)	_____
BLK	(-) Ground	_____	_____
WHT/RED	Alarm Blast Trigger Out.	(-)150mA (Max)	950ms
ORG	Warning Trigger Output	(-)150mA (Max)	400ms

## OPERATION

This shock sensor detects vibrations in the vehicle body and outputs 2 types of signals based on the strength of the vibration. Dual sensitivity knobs allow you to cater the trigger thresholds in accordance with the physical size of your vehicle. See "Sensitivity Adjustment" below for details.

NEVER mount the sensor to metal because the sensitivity will become so high it may false trigger. Install only on firm plastic parts using the included 2-sided tape. You can even affix the sensor to the outside of the plastic center column in plain view so long as it's in a place you won't accidentally kick.

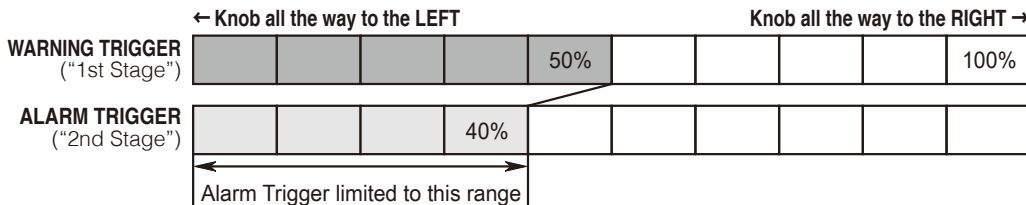
**NOTE:** When parking near a busy road or construction site, if you have the sensitivity set very high (usually higher than 50%), the sensor may false trigger. Simply reduce sensitivity to solve the problem, or use the Sensor Bypass feature of your security system to temporarily disable the shock sensor.

## SENSITIVITY ADJUSTMENT

- To make the Warning Trigger more sensitive, turn the "1st Stage" trigger knob clockwise. Turn it counterclockwise to decrease sensitivity. (*This tells the car alarm to produce Warning Chirps from the Siren.*)
- The Alarm Blast "2nd Stage" Trigger cannot be more sensitive than Warning Trigger because the Warning Trigger sensitivity knob automatically adjusts the maximum sensitivity of the Alarm Blast Trigger to 80% of the Warning Trigger setting.

### HOW SENSITIVITY KNOBS AFFECT EACHOTHER

**EXAMPLE:** Let's turn the Warning Trigger Sensitivity knob to 50%. Even if you turn the Alarm Trigger knob all the way to 100%, its sensitivity is still lower than the Warning Trigger range as shown below. To get more Alarm Trigger sensitivity requires increasing Warning Trigger sensitivity.



## INSTALLATION TIPS

- Affix sensor only to firm plastic, never metal, on the inside of the car using included 2-sided tape.
- !** Clean off oily or dirty surfaces before affixing with 2-sided tape. We recommend brake cleaner or similarly strong degreaser to ensure the tape sticks and the sensor will never fall off over time. Install only on flat surfaces. Curved surfaces will cause only part of the tape to stick. Note that if you affix and remove the sensor & tape multiple times, the tape will weaken and will need to be replaced.
- Never yank hard on the wire harness when attached.
- Avoid installing in these locations:
  - Direct sunlight
  - Near heat sources
  - Anywhere where water could damage the sensor

### ELECTRICAL CONNECTION NOTES:

- Connect the sensor directly to a VISION or SCIBORG car alarm using the connector.
- Never T-tap the sensor's RED or BLK wires for powering something else.
- If you test the sensor after its connected and see no light on the LEDs, check sensitivity and then check that all sensor connectors are fully seated.

### RF INTERFERENCE:

- Never install RF antennae or mount mobile phones within 20cm of the sensor.
- Never install the sensor or its wire harness near any sources of RF.
- Never tie the sensor wires to other wires because such may cause false triggering.

## TROUBLESHOOTING

If after checking sensitivity and wiring you find the LEDs won't light when you tap on the sensor, it could be the sensing element inside the sensor is rotated out of position. This can happen if the sensor is dropped or jostled during shipping. Do this to confirm and fix:

- Disconnect the sensor.
- Use a small flathead screwdriver to slowly pry open the plastic housing.
- If shifted, return the suspended IR reflector to its "NORMAL" position shown below.
- Close the sensor and reconnect.

