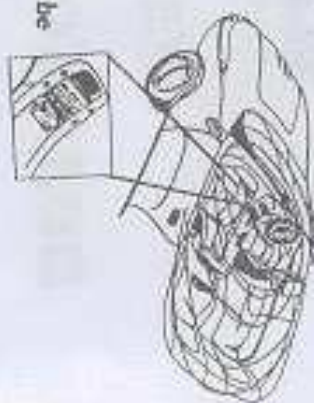


INSTALLATION CONSIDERATIONS

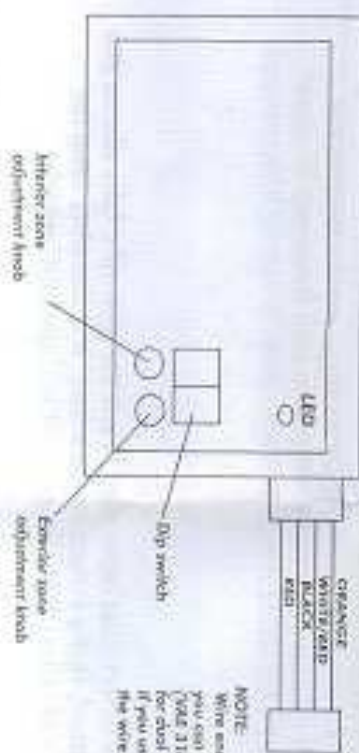
1. The shape of the protection sensor's field is symmetrical and elliptical. The detector must be centered between the left and right side of the vehicle.
2. The sensor should be mounted as low as possible as the protection pattern extends out in front and above the sensor.
3. Do not mount the sensor behind any metal objects, as microwaves will not penetrate metal.
4. Do not mount the sensor on metal as this will affect the sensor's tuning, at least to keep the distance 10mm between sensor and metal.
5. The ideal mounting location is at the base of the rear seat or in the center of the rear seat. If a rear location is not accessible, then mounting the sensor in the dashboard would be suitable, but be aware of any metal objects like the stereo or brackets.



SPECIFICATION:

- | | |
|----------------------|-----------------------------|
| 1. Standby Current : | 10 mA +/- 2 mA |
| 2. Input Voltage : | 9 V min, 15 V max |
| 3. Trigger Output : | -VE, 100mA (max.) |
| | 2. 2nd stage trigger output |
| | -VE, 100mA (max.) |

WIRING DIAGRAM



NOTE:
Wire end has pre-welded 4 pin connectors. You can plug in to VISION alarm system (VAE 318-1-600, VAE 318-1510) directly for dual zone optional sensor trigger. If you use it for other car alarms, please cut the wire end connector down.

WIRING CONNECTION

| Wire color | Description |
|------------|--|
| Red | Connect to constant power +12V |
| White/red | Connect to -VE trigger input of alarm system(interior zone output) |
| Black | Connect to -VE arm output of alarm system(Ground) |
| Orange | Connect to -VE input of siren(exterior zone output) |

ADJUSTING AND OPERATING THE DETECTOR

The microwave sensor has two dip switches. The switches are used to program and operate the sensor. The four functions of the switches are :

| Mode | Exterior Adjustment | Interior Adjustment | Arm mode | Arm W/PER. Alarm |
|------|---------------------|---------------------|----------|------------------|
| SW#1 | ON | OFF | OFF | ON |
| SW#2 | OFF | ON | OFF | ON |

EXTERIOR ZONE ADJUSTMENT

(Alarm must be armed to adjust)

This mode allows you to adjust the sensitivity of the exterior detection zone. The detector will not trigger the alarm in this mode, but the LED will flash "green" when movement is detected. To increase sensitivity, turn the exterior adjustment knob clockwise. The maximum exterior sensitivity will vary depending on installation and the type of vehicle.

INTERIOR ZONE ADJUSTMENT

(Alarm must be armed to adjust)

This mode allows you to adjust the sensitivity of the interior detection zone. The detector will not trigger the alarm in this mode, but the LED will flash "red" when movement is detected. To increase sensitivity, turn the interior adjustment knob clockwise.

IMPORTANT : An operational problem may occur with the radar if the interior sensitivity is greater than the exterior sensitivity (i.e. the unit will false alarm). In this case, the LED will flash "yellow" when the switches are put into the arming mode.

ARM MODE

When the alarm is armed, the detector will power-up for 15 seconds. During this period, the LED will be solid "green". After 15 seconds, the VAE 318-072 will operate normally. When the exterior zone is penetrated the siren will chirp and the LED will flash three times. This also activates the interior zone. when the interior zone is penetrated, the LED will flash "red" and the alarm will be triggered.

ARM MODE WITH PERIMETER ALARM

In this mode the detector will operate exactly as it would in "ARM MODE", except that if the perimeter zone is penetrated 4 times within 15 seconds, the VAE 318-072 will trigger the alarm. After the perimeter is penetrated a second time, the siren will beep twice, warning you that the alarm will trigger if the perimeter's field is penetrated a fourth time.