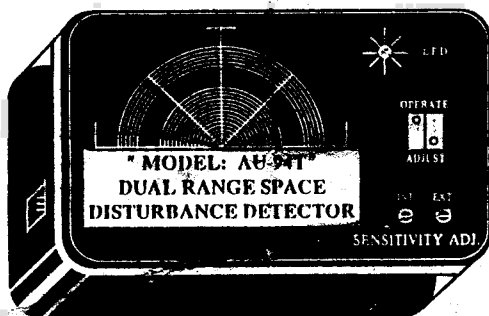


# DUAL RANGE

## SPACE DISTURBANCE DETECTOR

### MODEL: AU-94T



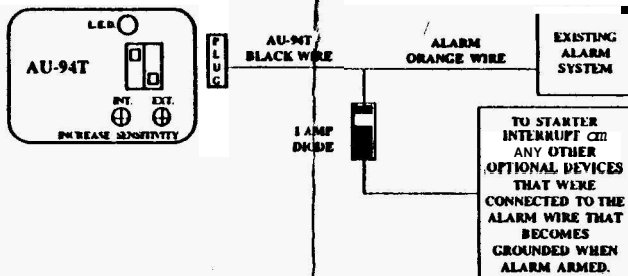
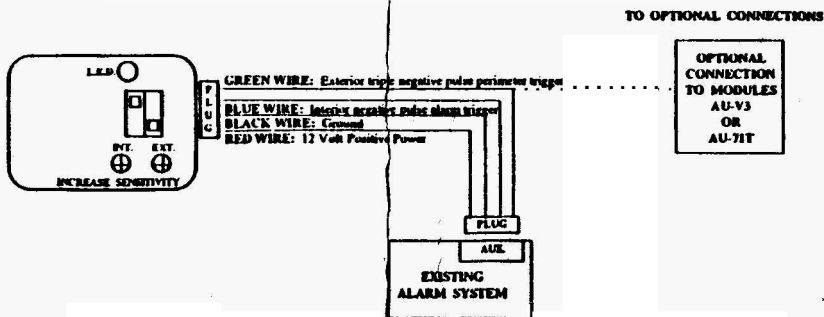
Model AU-94T Space Disturbance Detector is the world's **most** advanced microwave motion sensor that takes you beyond conventional vehicle security. This remarkable pre-entry detection device offers T-top or soft-top convertibles, and conventional open-cab or **open-bed** vehicles, uncompromised security. It accomplishes this feat by sending out two levels of high-frequency electronic detection **fields** that scan both the interior and exterior space of the vehicle.

The moment any part of an intruder passes through the electronic field, inside and/or outside the vehicle, this microwave device will detect that movement and warn the intruder and/or activate your alarm. However, the device will ignore flying debris, noise, wind and temperature variations. So you get a "bubble of protection" that surrounds your vehicle (which would otherwise be defenseless).

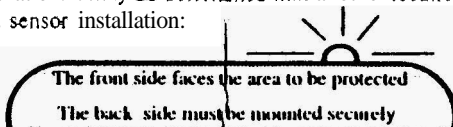
A built-in, high-visibility, three-color (Red, Green, Yellow) L.E.D. light displays the status of this dual zone detector for easy sensitivity adjustments.

Now take off your top and roll down your windows...leave yourself wide open. This versatile **space detector** is totally concealed from view and it works with any car alarm brand or type, making it the perfect upgrade to any auto or home security system.

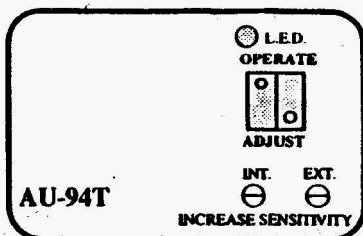
# WIRING DIAGRAM



It is important to know that although the energy from the **DUAL ZONE** sensor can be roughly symmetrical around the car. The energy is altered by metal. Thus, your actual protection zones may vary depending on the structure of your car. The mounting location of the **DUAL ZONE** sensor will be unique for each installation. The sensor must be mounted securely for reliable operation! During the adjustment phase of the installation, it may be determined that another location is required. Here are some tips on sensor installation:



- \*\*The face of the radar sensor is the logo side of the case. Point the face towards the area to be protected in the car.
- \*\*The ideal location is in the middle of the car and at a medium height (in the console between the seats).
- \*\*Do not mount the radar sensor on or near metal objects.
- \*\*Do not face the radar sensor towards metal objects.
- \*\*Do not mount the radar sensor in a location where movable objects will be placed near the sensor (e.g., coins or coffee cups)



# AU-94T OPERATION and ADJUSTMENTS

## START-UP OPERATION:

When the alarm is armed, the radar sensor will power up for 15 seconds. During power-up, the LED will be solid green and the interior and exterior range will not trigger the beeper or the alarm. After 15 seconds, the radar will operate normally.

## INTERIOR & EXTERIOR RANGE ADJUSTMENTS:

OPERATE



ADJUST

**Interior Range Adjustment:** With alarm armed and the switches in this position, you can adjust the sensitivity of the interior motion detection zone without triggering the alarm.

To increase sensitivity, turn the INT. adjustment clockwise in the direction shown on the AU-94T shell. When motion is detected, the red LED will flash once and the green wire will trigger the siren to chirp.

OPERATE



ADJUST

**Exterior Range Adjustment:** With alarm armed and the switches in this position, you can adjust the sensitivity of the exterior motion detection zone without triggering the alarm.

To increase sensitivity, turn the EXT. adjustment clockwise in the direction shown on the AU-94T shell. When motion is detected, the green LED will flash once and the green wire will trigger the siren to chirp.

**Note:** There can be a potential radar operational problem if the exterior sensitivity is less than the interior sensitivity (e.g., false alarms). In this case, the LED will flash yellow and the siren will chirp when the switches are put into the operate mode.

**Note:** The maximum exterior and interior sensitivity will vary based on the type of vehicle and installation location.

OPERATE



ADJUST

## EXTERIOR RANGE OPERATION #1 (Will Trigger Alarm):

**With The Switches Kept In This Position:** When the exterior range is triggered the first and second times, the provided siren will chirp twice slowly and the L.E.D. will flash green upon each trigger. Upon a third trigger the siren will chirp twice fast. If the exterior range is triggered a fourth time, within 15 seconds from the first trigger, the alarm will sound.

**Note:** The moment any part of an intruder passes through the interior electronic field, the L.E.D. will flash red and the alarm will sound instantly.

OPERATE



ADJUST

## EXTERIOR RANGE OPERATION #2 (Won't Trigger Alarm):

**With The Switches Kept In This Position:** When the exterior range is triggered, the siren will chirp and the LED will flash three times. The exterior range will never trigger the alarm.

**Note:** The moment any part of an intruder passes through the interior electronic field, the L.E.D. will flash red and the alarm will sound instantly.

# TROUBLESHOOTING

INDICATOR	+	PROBLEM	-	SOLUTION
SOLID YELLOW LED		A sensor output is connected to 12 volts.		Verify that each sensor is connected properly.
FLASHING YELLOW LED		The exterior zone sensitivity is less than the interior zone sensitivity.		Increase the sensitivity of the exterior zone, or decrease the sensitivity of the interior zone.
NO LED		The radar sensor does not power up, adjust, or operate normally.		<p>Connect the red wire of the radar sensor to 12 volts. Check the 12-volt fuse.</p> <p>Connect the black wire of the radar sensor to the armed output of the alarm.</p> <p>Check if the alarm is arming properly.</p> <p>Check auxiliary patch cord if installer is using auxiliary input of the alarm.</p>
SIREN SOUNDS When The Perimeter Zone Is Triggered.		The exterior radar output is connected to the auxiliary input of the alarm.		Swap the radar sensor's green and blue wires.

## LIMITED WARRANTY

Products manufactured and by the p are warranted to be free from defects in materials and workmanship under normal use. If a product sold by the Company proves to be defective, the Company will repair or replace it free of charge within the first year and thereafter all parts to be repaired are free with only a nominal charge for Omega's labor and return shipping, during the lifetime of the car in which it was originally installed.

All products for warranty repair must be sent postage pre-paid to Omega Research & Development, Inc. P.O. Box 508, Douglasville, Georgia 30133, with bill of sale or other dated proof of purchase. This warranty is non-transferable and does not apply to any product damaged by accident, physical or electrical misuse or abuse, improper installation, alteration, any use Contrary to its intended function, unauthorized service, fire, flood, lightning, or other acts of God.

This warranty limits the Company's liability to the repair or replacement of the product. The Company shall not be responsible for removal and/or reinstallation charges, damage to or theft of the vehicle or its contents, or any incidental or consequential damages caused by any failure or alleged failure of the product to function properly. Under No Circumstances Should This Warranty, Or The Product Covered By It, Be Construed As A Guarantee Or Insurance Policy Against Loss. The Company neither assumes nor authorizes any person or organization to make any Warranties or assume any liability in connection with the sale, installation, or use of this product.