

# ULTRASONIC DETECTOR MODULE

## SPECIFICATION:

|                               |                      |
|-------------------------------|----------------------|
| Frequency:                    | 40Khz Crystal Locked |
| Standby current:              | 6mA +/-2mA           |
| Max . trigger output current: | 100mA                |
| Input voltage:                | 9Vmin, 15Vmax.       |

## Transmitter locations (sensor):

When locating the sensors ensure the distance between the two sensors is not less than 20cm Refer to Fig.1 which shows suggested locations for mounting the sensors.

## Ensure the sensors are not installed where

- Direct sunlight may hit the sensors.
- Close to air cents in the vehicle.
- The positions where worn seals in the vehicle may allow strong air movement to enter.
- Ensure that the sensors are secured tightly, any movement of the sensor due to vibrations will caused the sensors to trigger.

Note: To achieve maximum detection area it is recommended that the sensors are placed as high possible near the sun visor. This will allow the signal to reach of the vehicle without obstruction from the front seats or head rests.



## Control Module Location:

Locate the control module in a suitable location underneath the dashboard.

## Wiring:

|             |  |
|-------------|--|
| Red wire:   | +12V                                   |
| Black wire: | Ground                                 |
| White wire: | Negative trigger output<br>(100mA max) |

## Testing:

Once installation is complete close all doors windows, lower the rear window and wave your hand inside the vehicle and check for operation.

## Sensitivity Adjustment:

When adjusting the sensitivity level turn the adjustment in small turns each time.

