

ACC-003 SINGLE ZONE MICROWAVE SENSOR

INTRODUCTION

Congratulations on choosing to install the ACC-003 single zone microwave sensor. This microwave sensor is designed so as to produce a self contained microwave field to protect the interior of a car. If the internal zone is broken the sensor will output a negative signal via the trigger wire. Microwave fields are not affected by movement of air or heat so allowing ventilation** through the vehicle will not cause false alarms. The sensitivity level can be adjusted.

**For security reasons do not leave windows open, when vehicle is unattended!

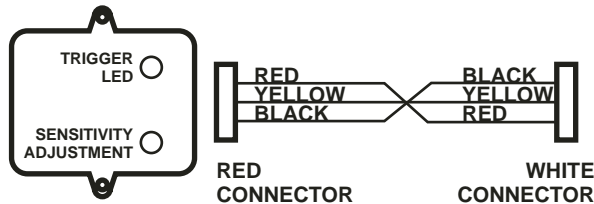
WIRE CONNECTIONS

Standard connection entails plugging the ACC-003 directly into a Dynamco alarm three pin socket.

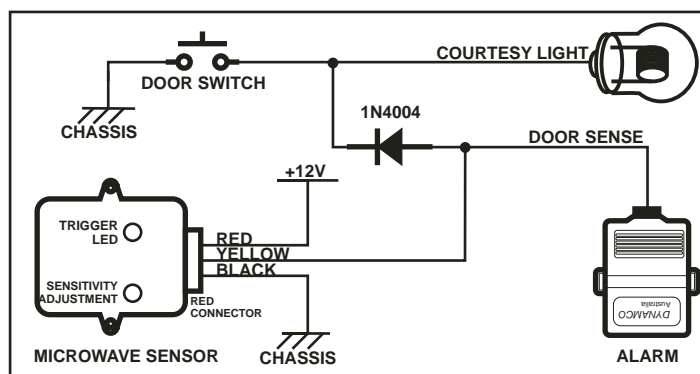
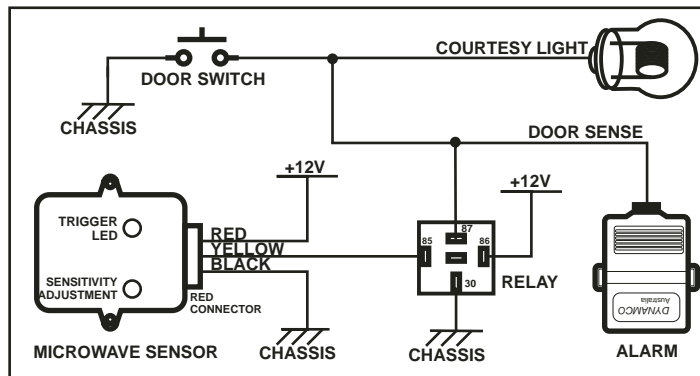
The wire loom supplied with the ACC-003 has one white and one RED connector. Ensure the RED connector is plugged into the sensor. This will apply the correct voltage to the appropriate wire colour, if the white connector is cut off, for a non-standard installation.

- RED- Power to sensor, connect to constant power.
- BLACK- Ground to sensor, connect to chassis of vehicle.
- YELLOW- Full negative trigger output (100mA max). Connect to any negative input of alarm system ***.

PLUG CONFIGURATION



*** A relay or diode is required for direct connection to door circuits. Sensor must trigger relay, relay then triggers door circuit - see diagrams.



ADJUSTMENT

The red trigger LED will show when the ACC-003 is grounding the yellow wire (output triggered).



Turn the sensitivity to minimum, then gradually increase the sensitivity until the sensor detects a moving arm at the boundary of the protected area.

Turning the adjustment screw clockwise increases sensitivity. The adjustment screw only turns a little over 180 degrees.

Ensure the sensor does not detect movement outside the vehicle, as the risk of false alarms will increase.

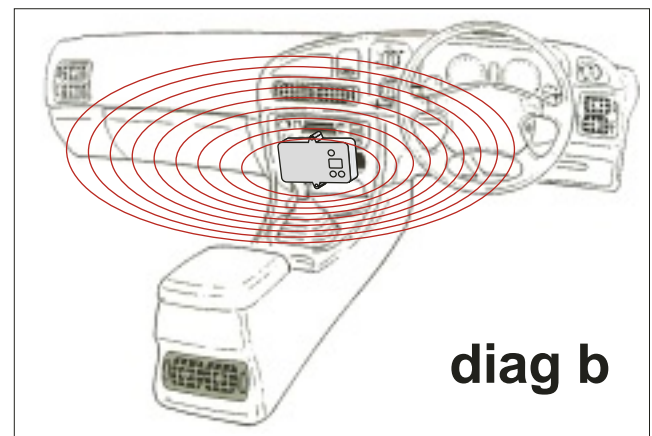
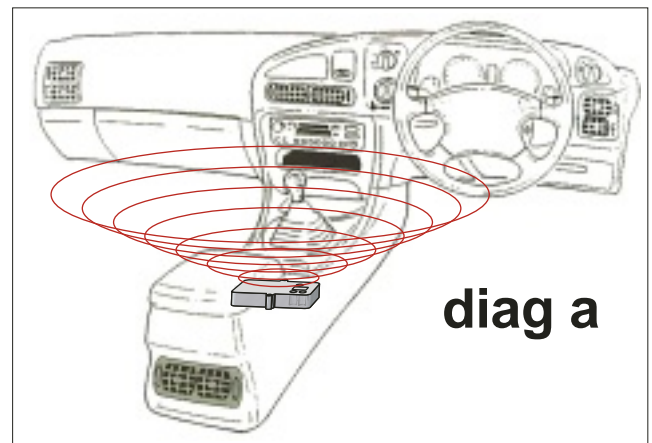
Inadequate sensor adjustment or sensor placement will cause false alarms.

SENSOR PLACEMENT

The microwave field is directed straight out from the front panel of the sensor. Securely mount with the back flat against a rigid metal panel, this will provide the most stable and controllable field. The sensor should always be mounted out of sight to prevent tampering.

Please note: the microwave field will not penetrate metal and will have difficulty penetrating wood.

The preferred direction of the sensor is up from the floor (diag a), or if not possible - towards back of cabin from the dash panel (diag b).



POWER-UP

The ACC-003 will output a triggered signal for the first 2 seconds of power-up. Do not connect this sensor to a siren trigger wire to obtain a pre-intrusion sensor - if a pre-intrusion signal is needed, please purchase an ACC-004 (dual zone microwave sensor).