

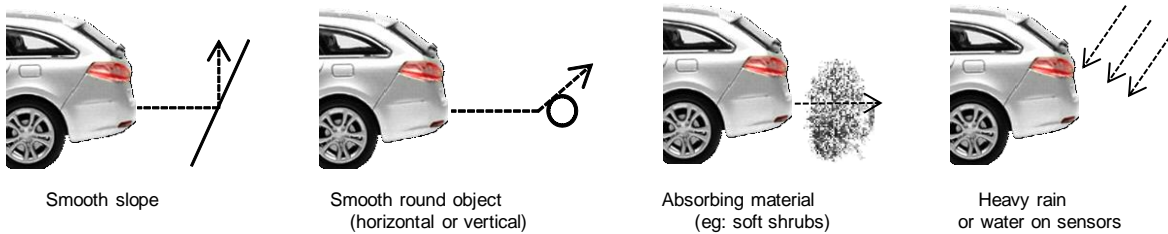


## MRR Rubber Parking Sensors

The Mongoose rubber rear parking sensors are automatic and operate only when the vehicle is in reverse gear with the engine running. When selecting reverse, a single beep should be heard to confirm they are on. Usually 4 sensors are fitted unless other vehicle equipment makes this impractical such as spare wheel carrier on SUV's, bull-bars or towbar's that may give false alerts. 2 will be fitted as a minimum. These sensors are an aid to parking and normal driving techniques and precautions must be used.

Stages	Approx' Distance	Awareness	Alarm sound	
1	> 2.0~1.8m	Safe	No sound	-
2	1.8-1.1m	Pay attention	Slow beeping	Bi.....Bi.....Bi.....Bi
3	1.0-0.6m	Be aware	Faster beeping	Bi..Bi..Bi..Bi
4	0.5-0.0m	STOP Danger	Continuous sound	Bi     Bi     Bi     Bi

There some situations where the sensors may no detect a situation or object, or give a false alarm, such as:- heavy rain, snow, ice, very hot or cold, gravel or bumpy road, sensors covered in ice, mud or water, etc. This is not a fault but a nature of the product. Clean and dry sensors with water, no solvents. Protect with 'Rain-X'.



### INSTALLATION

Observe the recommended sensor distances and mark sensor locations. Check behind bumper for unimpeded access. Use the hole cutting tool provided (plastic only). Do not have a tight fit – just sufficient for the rubber grips to hold in place

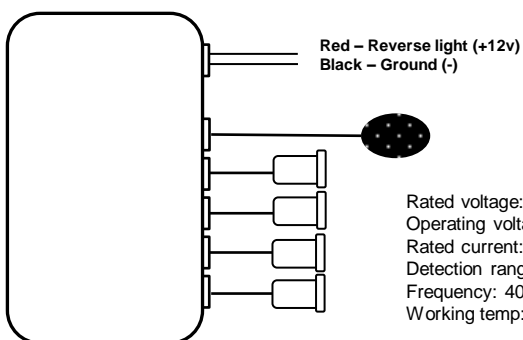
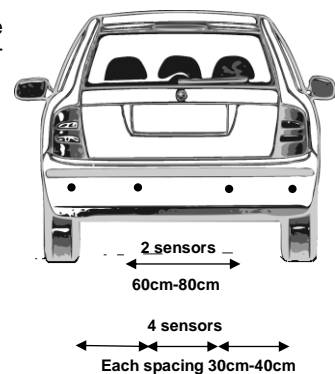
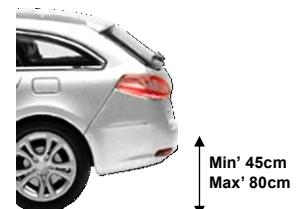
Mount sensors:- **DO NOT PUSH CENTRE OF SENSOR, THEY ARE DELICATE - ONLY PUSH ON THE RIM !** Route sensors leads inside of vehicle through a rubber grommet to prevent water leaks. Keep leads away from suspension and the exhaust system. Connect module wires as shown below and test each sensor for correct operation.

### DO NOT PAINT

It is not advisable to paint rubber sensor heads as the sensor head material is flexible and paint will crack. Paint may also affect performance.

### METAL BUMPERS

Sensors must not be a tight fit or they will 'false'. Use a metal hole cutting tool. Paint the cut edges to prevent rusting. We do not advise cutting chrome bumpers as the chrome may rust or peel at the cut edges.



Rated voltage: 12v  
 Operating voltage: 10.5-15vDC  
 Rated current: 20mA-200mA  
 Detection range: 0.2-1.3m  
 Frequency: 40KHz  
 Working temp: -30c~+80c