Obstacle Detection

Ultrasonic
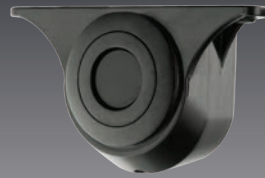
- Obstacle detection rate under 200 milliseconds.
- Adjustable distance for outer sensors.
- Backscan includes in-cab visual display.
- 3 stage warning zones.
- Environmental Learning Mode prevents false alarms.
- Multiple sensor mount types included.
- Backscan incorporates 50cm compensation range for inboard mounted sensors (selectable via dip switch).
- One trigger output.
- Self diagnostic function.
- Sensors & ECU environmentally sealed - IP68.
- Multi-voltage.
- 2 year warranty.

BS-4000W

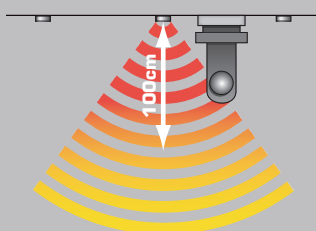|		
Voltage :		12-24V
Current Draw :		0.2A
Detection Range :	Backscan	up to 2.5m
	Frontscan	up to 2.1m
Harness :	ECU to Display	15m
	ECU to Sensors & Buzzer	2.5m
EMC :		CE & 'e' marked
Standards :		RoHS compliant
Operating Temp :		-40°C to 80°C
IP Rating :	Display & Buzzer	IP54
	ECU & Sensors	IP68

CE RoHS COMPLIANT 2Yrs

Ultrasonic Backscan
BS-4000W

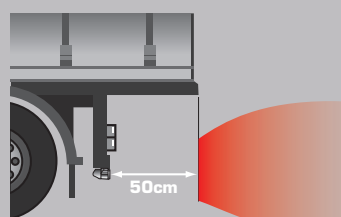Ultrasonic Frontscan
BS-4000W

Environment Learning
Environment Learning Mode prevents false alarms from tow-hooks and other ancillary fixed equipment that intrudes into the first 100cm of the detection zone.
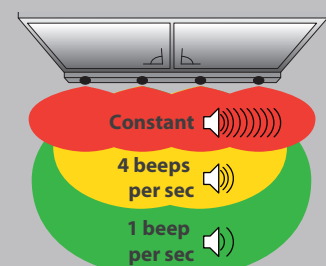
100cm

50cm Compensation
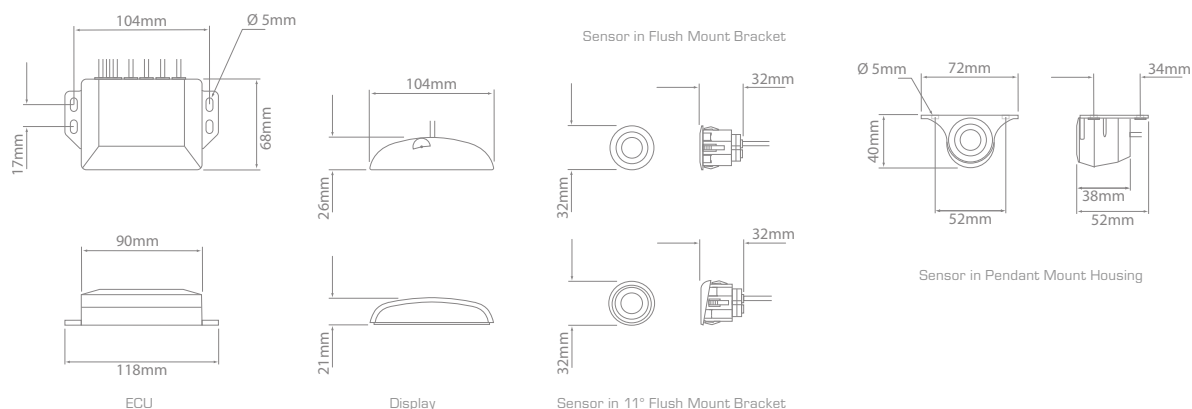50 centimeter compensation for installation to vehicles with in-board bumpers / tray over hang.

50cm

Warning Zone
The frequency of the signal changes according to the distance from sensors to the object.

Constant
4 beeps per sec
1 beep per sec

BRIGADE

104mm — Ø 5mm — 68mm — 17mm

104mm — 26mm

Sensor in Flush Mount Bracket

32mm — 32mm

Ø 5mm — 72mm — 40mm — 52mm

34mm — 38mm — 52mm

Sensor in Pendant Mount Housing

90mm — 118mm

ECU

21mm

Display

32mm — 32mm

Sensor in 11° Flush Mount Bracket

Ultrasonic - Backscan

Part No.	Max. Detection Distance
BS-4000**W**	2.5m or 0.6m*

*Outer sensors max. detection distance 2.5m or 0.6m (selectable via dip switch).

Kits Contain:
1 x Backscan ECU
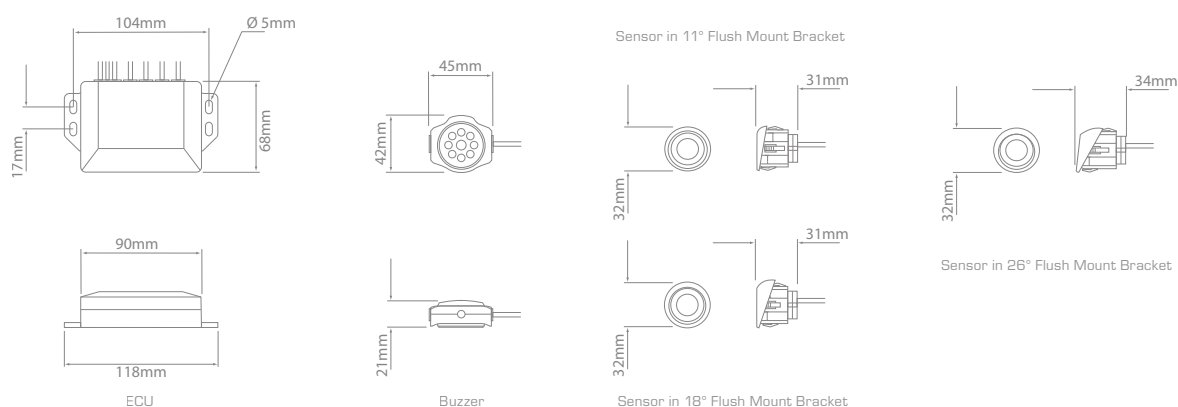1 x Backscan Display
4 x Sensor
4 x Pendant mount housing
4 x Sensor Bracket - 0° Flush Mount
4 x Sensor Bracket - 11° Flush Mount
4 x ECU to Sensor Harness
1 x ECU to Display Harness

104mm — Ø 5mm — 68mm — 17mm

45mm — 42mm

Sensor in 11° Flush Mount Bracket

31mm — 32mm

34mm — 32mm

Sensor in 26° Flush Mount Bracket

90mm — 118mm

ECU

21mm

Buzzer

31mm — 32mm

Sensor in 18° Flush Mount Bracket

Ultrasonic - Frontscan

Part No.	Max. Detection Distance
FS-4000**W**	2.1m or 0.6m*

*Outer sensors max. detection distance 2.1m or 0.6m (selectable via dip switch).

Kits Contain:
1 x Frontscan ECU
1 x Buzzer
4 x Sensor
4 x Sensor Bracket - 11° Flush Mount
4 x Sensor Bracket - 18° Flush Mount
4 x Sensor Bracket - 26° Flush Mount
4 x ECU to Sensor Harness
1 x ECU to Buzzer Harness

BRIGADE®