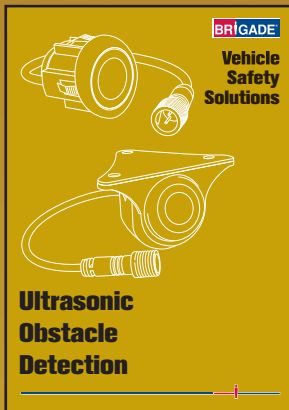


Ultrasonic Obstacle Detection



Available Brochure

Sensor systems to inform driver of obstacles within close proximity, whether moving or stationary. Perfect for road going commercial vehicles regularly operating in confined spaces or manoeuvring at low speeds.

Which system is for you?

Sidescan® - 4 sensor system fitted to side of vehicle increasing safety when turning or low speed manoeuvring. Particularly relevant for near side blind spot where cyclists or pedestrians can otherwise go undetected.

Backscan® - 4 sensor system fitted to rear of vehicle as an invaluable aid to safe reversing. Gives greater protection to pedestrians and workers, whilst minimising damage to vehicle and other objects.

Cornerscan™ - 3 sensor system fitted to near side corner of vehicle cab detects objects in front near side blind spot. Minimises the risk of damage to the vehicle cab whilst manoeuvring at low speed.

Frontscan® - 4 sensor system fitted to front of vehicle improving safety when manoeuvring at low speed. Particularly relevant for front blind spot on high cabs where low objects or pedestrians can be hidden.

Stepscan™ - 2 sensor system fitted to near side cab step giving awareness to the driver of objects to the side when turning and reversing. Minimises the risk of damage to the vehicle cab from otherwise unseen objects.



Model

Part No:

BACKSCAN® ULTRASONIC DETECTION SYSTEM

BS-4000W - Rear reversing sensor system

3744



- 4 sensor system
- 12-24Vdc
- 2.5m detection range - outer sensors 2.5m/0.6m (selectable via dip switch)
- Graduated visual and audible distance warning display
- Underslung and flush-mount fixings included
- 50cm compensation range for sensors fitted inboard of vehicle rear (selectable via dip switch)
- 2 year warranty

Contents

- 4 x sensors
- Visual and audible display
- 4 x 0° flush mount fixings
- 4 x 11° flush mount fixings
- 4 x underslung fixings
- Waterproof control box
- 15m display cable
- 4 x 2.5m sensor cables

Features

- Obstacles detected in under 200 milliseconds
- Environment Learning Mode prevents false alarms from tow-hooks and other ancillary equipment that intrudes in the first 100cm of the detection zone
- Self-diagnostic function
- 1 x Trigger output

Durability & Standards

- Operating temperature: -30 to +80°C
- Waterproof sensors to IP68
- Waterproof control box to IP69K
- CE marked
- EMC approved: E

Power

- Power consumption: 2.4 Watts
- Current: 200mA
- 1.5m detection range model also available - Please contact us for details

REQUIRED ADDITIONS FOR ARTICULATED VEHICLES

SK-15-04	Truck/trailer camera/sensor cable kit - see p29	3997
SK-UDS-05	Truck/trailer sensor only cable kit	4219
UDS-10BC	10m Buzzer/display cable	3716

OPTIONAL EXTRA

UDS-RELAY-24	Trigger-out diode protected relay 24Vdc	4215
UDS-RELAY-12	Trigger-out diode protected relay 12Vdc	4216

CORNERSCAN® ULTRASONIC DETECTION SYSTEM

CS-3000 - Corner sensor system

3712



- 3 sensor system
- 12-24Vdc
- 0.6/1.0m detection range - (selectable via dip switch)
- Audible distance warning
- Flush-mount
- 2 levels of sensitivity - (selectable via dip switch)
- 2 year warranty

Contents

- 3 x sensors
- Buzzer
- 3 x 11° flush mount fixings
- 3 x 18° flush mount fixings
- 3 x 26° flush mount fixings
- Waterproof control box
- 2.5m buzzer cable
- 3 x 2.5m sensor cables

Features

- Obstacles detected in under 200 milliseconds
- Environment Learning Mode prevents false alarms from ancillary equipment that

intrudes in the first 100cm of the detection zone

- Self-diagnostic function

Durability & Standards

- Operating temperature: -30 to +80°C
- Waterproof sensors to IP68
- Waterproof control box to IP69K
- CE marked
- EMC approved: E

Power

- Power consumption: 2.4 Watts
- Current: 200mA

RECOMMENDED EXTRA



LS-60-A

Low speed trigger module

(enables sensors below designated speed)

4851

Model

Part No:

SIDESCAN® ULTRASONIC DETECTION SYSTEM

SS-4000W -	Side sensor system	3711
SS-4000W-000 -	Side sensor system low speed trigger module and turn indicator sensor kit	4321
Includes LS-60-A low speed trigger module and TS-001ECU turn indicator sensor		



- 4 sensor system
- 12-24Vdc
- 1.0/1.5m detection range - (selectable via dip switch)
- Audible distance warning
- Underslung and flush-mount fixings included
- 2 levels of sensitivity - (selectable via dip switch)
- 2 year warranty

- Contents**
- 4 x sensors
 - Buzzer
 - 4 x 0° flush mount fixings
 - 4 x 11° flush mount fixings
 - 4 x underslung fixings
 - Waterproof control box
 - 10m buzzer cable
 - 4 x 4.5m sensor cables
 - 2 x 2.5m extension cables
- Features**
- Obstacles detected in under 200 milliseconds
 - Environment Learning Mode prevents false alarms from ancillary equipment that intrudes in the first 100cm of the detection zone
 - Self-diagnostic function
- Durability & Standards**
- Operating temperature: -30 to +80°C
 - Waterproof sensors to IP68
 - Waterproof control box to IP69K
 - CE marked
 - EMC approved: E
- Power**
- Power consumption: 2.4 Watts
 - Current: 200mA

ADDITIONS FOR ARTICULATED VEHICLES

SK-15-04	Truck/trailer camera/sensor cable kit - see p29	3997
SK-UDS-05	Truck/trailer sensor only cable kit (required)	4219
UDS-10BC	10m display cable (required)	3716
SS-4000W	Additional Sidescan sensor system for cab (optional)	3711

RECOMMENDED EXTRA



LS-60-A	Low speed trigger module enables sensors below designated speed	4851
TS-001ECU	Turn indicator trigger for system activation	1362

OPTIONAL EXTRA

SS-BC-08	Backchat speaking alarm with side turn warning for cyclists/pedestrians Note: TS-001ECU Turn indicator trigger is required	1334
TCO-47-01	Latched auto-reset Backalarm cut-out (dash mount)	4752

EXTENSION CABLES

UDS-2.5BC -	Buzzer/display extension cable 2.5m	3717
UDS-10BC -	Buzzer/display extension cable 10m	3716
UDS-15BC -	Buzzer/display extension cable 15m	3746
UDS-2.5SC -	Sensor extension cable 2.5m	3719
UDS-4.5SC -	Sensor extension cable 4.5m	3720

Model

Part No:

FRONTSCAN® ULTRASONIC DETECTION SYSTEM

FS-4000W - Front sensor system

3747



- 4 sensor system
- 12-24Vdc
- 2.0m/1.0m detection range - outer sensors can be reduced to 0.6m (selectable via dip switches)
- Audible distance warning
- Flush-mount
- 2 year warranty

Contents

- 4 x sensors
- Buzzer
- 4 x 11° flush mount fixings
- 4 x 18° flush mount fixings
- 4 x 26° flush mount fixings
- Waterproof control box
- 2.5m buzzer cable
- 4 x 2.5m sensor cables

Features

- Obstacles detected in under 200 milliseconds
- Environment Learning Mode prevents false alarms from tow-hooks and other ancillary equipment that intrudes in the first 100cm of

- the detection zone
- Self-diagnostic function
- 1 x Trigger output

Durability & Standards

- Operating temperature: -30 to +80°C
- Waterproof sensors to IP68
- Waterproof control box to IP69K
- CE marked
- EMC approved: E

Power

- Power consumption: 2.4 Watts
- Current: 200mA

RECOMMENDED EXTRA



LS-60-A

Low speed trigger module

(enables sensors below designated speed)

4851

OPTIONAL EXTRA

UDS-RELAY-24 Trigger-out diode protected relay 24Vdc

4215

UDS-RELAY-12 Trigger-out diode protected relay 12Vdc

4216

STEPSCAN™ ULTRASONIC DETECTION SYSTEM

ST-2000 - Step sensor system

3742

ST-2000-20-A - Step sensor system and low speed trigger module

4231

Includes UDS-4.5SC 4.5m extension cable



- 2 sensor system
- 12-24Vdc
- 0.6/1.0m detection range - (selectable via dip switch)
- Audible distance warning
- Flush-mount
- 2 levels of sensitivity - (selectable via dip switch)
- 2 year warranty

Contents

- 2 x sensors
- Buzzer
- 2 x 11° flush mount fixings
- 2 x 18° flush mount fixings
- 2 x 26° flush mount fixings
- Waterproof control box
- 2.5m buzzer cable
- 2 x 2.5m sensor cables

Features

- Obstacles detected in under 200 milliseconds
- Environment Learning Mode prevents false alarms from ancillary equipment that

- intrudes in the first 100cm of the detection zone
- Self-diagnostic function

Durability & Standards

- Operating temperature: -30 to +80°C
- Waterproof sensors to IP68
- Waterproof control box to IP69K
- CE marked
- EMC approved: E

Power

- Power consumption: 2.4 Watts
- Current: 200mA

RECOMMENDED EXTRA



LS-60-A

Low speed trigger module

enables sensors below designated speed

4851