



APS400LED

12/24V Reversing System with LED Distance Guidance

SPECIFICATIONS

GENERAL

- Detection Range: 0.3 ~ 1.5 - Rated Voltage: 12/24V DC 9-32V DC - Operating Range: - Current Draw: <350mA - Dust / Water Proof: IP67 Control Box

- Operating Temperature: -30 to +85°C

LED INDICATORS

- Proximity Alert: 1.1 - 1.5M Slow Flash 0.6 - 1.0M Medium Flash

0.4 - 0.5M Fast Flash 0.0 - 0.3M Solid Light Flexible Polymer

- Arm Length: 192mm

SENSORS

- Arm Type:

0.0 - 1.5M - Detecting Distance: - Detection Reaction Time: <100ms - Sensor Type: Rubber - Colour: Black - Sensor Cable Length: 2 x 3M Lead

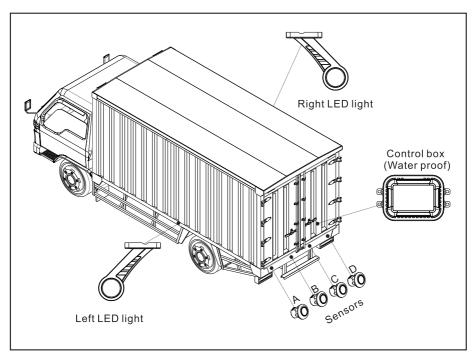
2 x 6M Lead

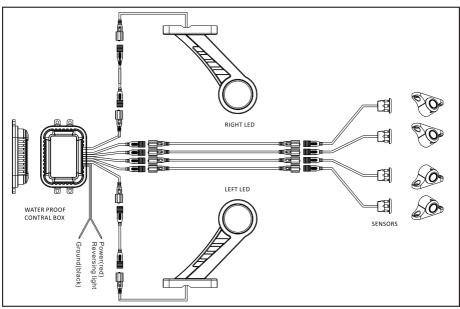
- Sensor Installation: Flush, Under or Top Mount Flush Mount Angle Shims

INCLUDES

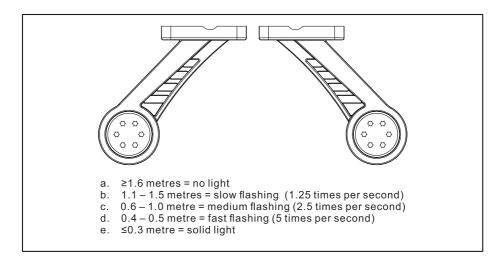
- 4 Sensors
- LED Indicators
- Control Box
- Sensor Mounts
- Installation Hardware

GENERAL INSTALLATION DIAGRAM

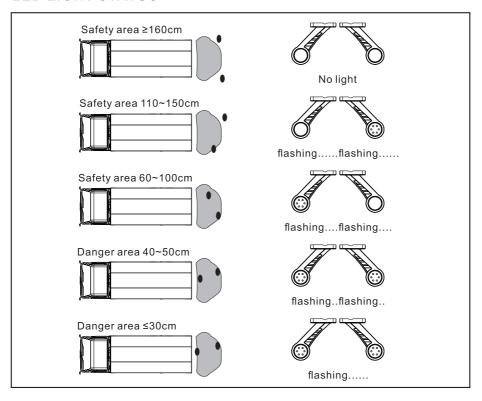




LED LIGHT



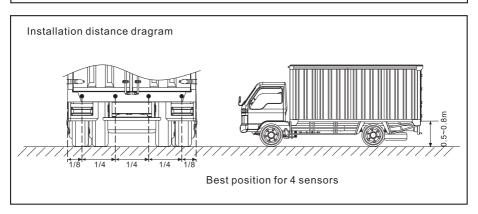
LED LIGHT STATUS

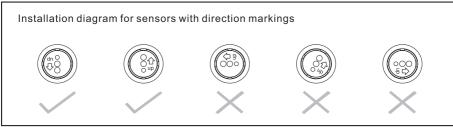


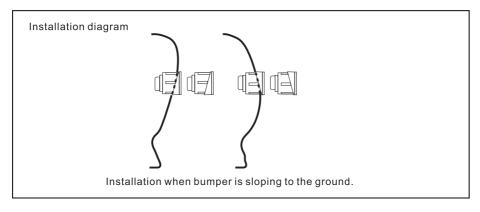
SENSOR INSTALLATION DIAGRAM

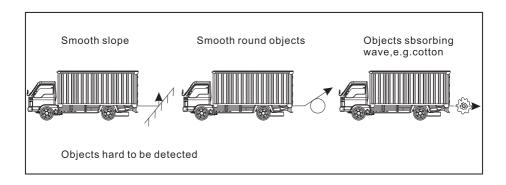


Fix the plsition of sensors. No obstacle should be detected at 90° from the top view otherwise the system will false alarm.

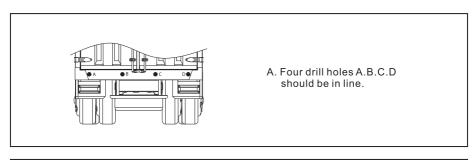


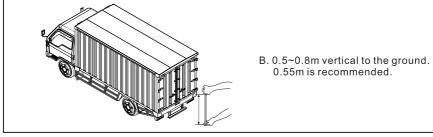


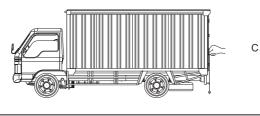




ADVISED POSITION TO INSTALL THE SENSOR

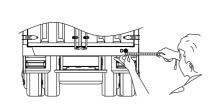




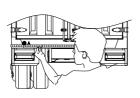


C. Vertical, tidy surface without metal components is preferred.

SELECT DRILLING POSITION FOR SENSOR A&D

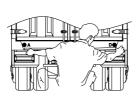


A. Choose suitable drilling positions for A and D sensor and mark.

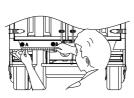


For best detection angle, position A & D sensor 1/8 from the edge.

SELECT DRILLING POSITION FOR SENSOR B&C

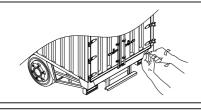


A. Measure the distance between sensor A and D.

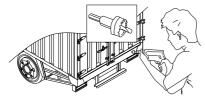


Divide distance by 3 and mark sensor B & C.

DRILLING

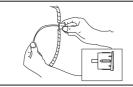


A. Use a small drill bit to locate position

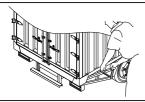


B. Drill with the bumper cutter supplied.

SENSOR INSTALLATION

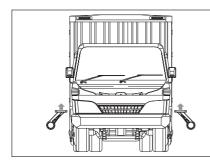


A. Insert the sensors into the holes and secure.



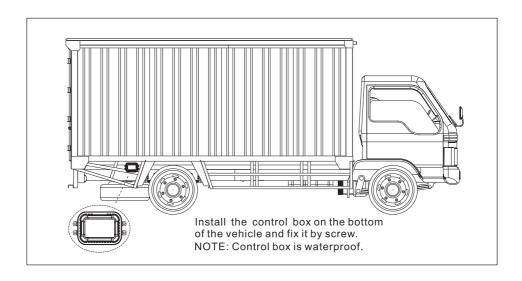
B. Arrange wiring neatly and securely.

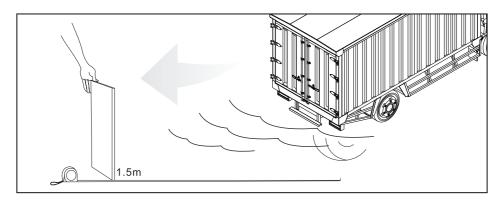
LED LIGHT INSTALLATION



Install the LED light at the both side of vehicle and fixed it by screw.

CONTROL BOX INSTALLATION





PARKING SENSOR SYSTEM

This system consists of ultrasonic sensors, a control unit and two LED lights. This systemdetects the distance between the vehicle and obstructions by ultrasonic sensors installed at the rear of the vehicle. The distance and direction of the obstruction will be flshing light on the left & right LED light.

MAIN FEATURES

LED lights

· Water proof control box

LED flashing alarm

· Lines warn of the distance to obstacles

• Direction Indicators from left, middle and right channels

TECHNICAL SPECIFICATIONS

• Rated Voltage: 12V/24V

• Operating Range: DC 10~32V

Operating Current: 10-120mA
Detecting Distance: 0.3~1.5m

• Ultrasonic Frequency: 40KHz

• Working Temperature: -20~+70°C

a. ≥1.6 metres = no light

b. 1.1 - 1.5 metres = slow flashing (1.25 times per second)

c. 0.6 - 1.0 metre = medium flashing (2.5 times per second)

d. 0.4 - 0.5 metre = fast flashing (5 times per second)

e. ≤0.3 metre = solid light

ALARM MODE

Detecting distance	LED light
≥1.6m	No flash
≥1.1~1.5m	flashingflashing
≥0.6~1.0m	flashingflashing
≥0.4~0.5m	flashingflashing
≤0.3m	solid light

INSTALLATION STEPS

- 1. Carefully choose position for sensors
- 2. Select drilling position for sensor A&D
- 3. Select drilling position for sensor B&C
- 4. Locate the position and drill
- 5. Install the sensors and hide the wires
- 6. Install the LED light
- 7. Install the control box(NOTE: The control box is waterproof)

TEST

- 1. Adjust the direction and orientation of sensors. Neaten the wiring after installation.
- 2. Connect the power wire to the reversing light circuit.
- 3. Connect the wires between contorl box and LED light.
- 4. After starting the car, the LED light will flash one time on power up. Insert one sensor into the control box port. within 1.0m of the sensor, it should detect normally.

Disconnect this sensor from the control box and use the same method to check other sensors. Then insert all sensors into matching ports.

NOTE

- 1. The car must be off during the installation
- 2. Performance may be affected in heavy rain, gravel roads, bumpy roads, hot or moist weather, or it the sensor is covered by ice or mud.
- 3. Other ultrasonic or electric waves(eg voltage reducers) may affect the performance of the system.
- 4. The sensors should be installed securely but not over-tight.
- 5. Rubber sensors are designed to avoid "Metal Resonance" in metal bumpers.
- 6. Avoid installing the digital control box in areas of interference or moisture.
- 7. Test the system to make sure it works correctly.
- 8. This system is a reversing aid and the manufacturer accepts no responsibility for and accident after the kit is installed.

WARRANTY

CONSUMER WARRANTY

This product is warranted by AudioXtra Pty Ltd to be free from defects in materials and workmanship under **NORMAL USE** for a period of **TWENTY FOUR MONTHS** from the date of purchase.

WITHIN 30 DAYS OF PURCHASE DATE:

Please return the unit for replacement to our National Service Centre or the Retailer from where you made the purchase. All accessories must be included. Proof of purchase date **must** accompany the products.

AFTER 30 DAYS OF PURCHASE DATE:

Warranty repair and service is carried out by our National Service Centre. Repair and service will be carried out at no cost to the owner if proof of ownership and the date of purchase can be verified to the satisfaction of the authorised centre concerned with this repair. This proof should take the form of either:

- a) The warranty card accompanying this product, stamped and dated by the dealer.
- b) A Tax Invoice or Receipt showing full details of original vendor, purchaser, model number and serial number.

COMMERCIAL WARRANTY

A product used in or associated with a commercial application will carry a limited SIX MONTH warranty. An abnormal commercial application is one where usage, dust, vibration, heat/cold and other environmental conditions exist at an extreme level.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Please complete details below in the event of warranty service being required

Purchaser's Name:	
Purchaser's Address:	
Model Number: APS400	LED Serial Number:
Dealer Name:	Date of Purchase: / /
Dealer Address:	
Invoice/Sales Docket no:	
General Hints: To expedite service and prom	pt return of the equipment, please:
a) Clearly describe the fault in detail c) Include your return address	b) Safely and securely pack the unit for transport d) Provide proof of purchase date as outlined above

National Service Centre:

10 STODDART ROAD, PROSPECT, SYDNEY NSW 2148 Australia

Telephone: (02) 8841 9000 Fax: (02) 9636 1204

email: services@audioxtra.com.au



audioxtra.com.au