

First AlertTM

Parking Alert Sensor



**SFA275
USER MANUAL**

**PLEASE READ THIS USER MANUAL COMPLETELY BEFORE OPERATING
THIS UNIT AND RETAIN THIS BOOKLET FOR FUTURE REFERENCE**

COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

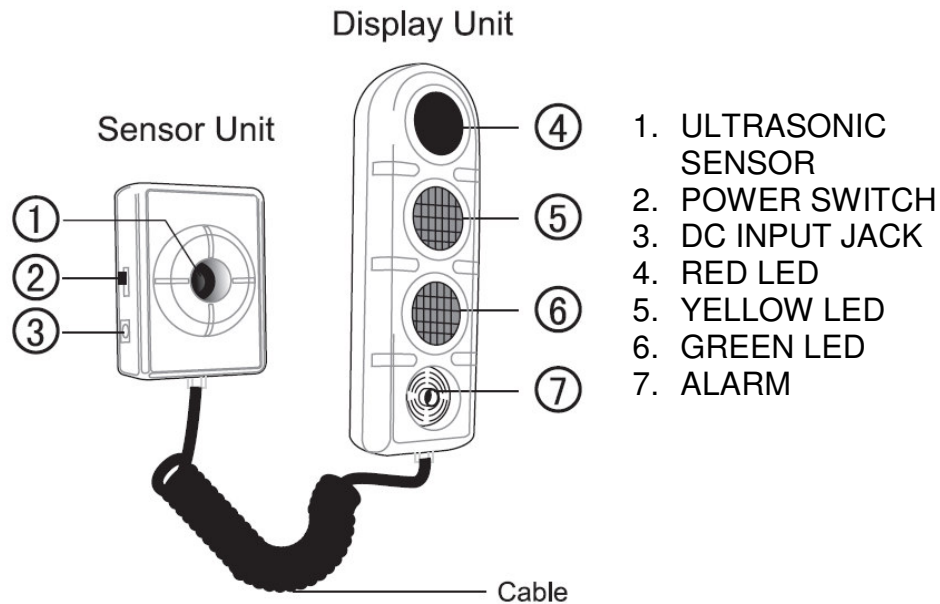
CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

INTRODUCTION

The SFA275 is designed to assist you when parking your vehicle. It helps take the guess work out of judging how far you are from the wall or an object in your garage as you are pulling or backing in. It uses ultrasonic technology and turns on automatically. The built-in alarm sounds, and one of the three stop light inspired indicators will light as you approach the sensor. The unit is powered by a 9V battery (not included) or with the included external power adapter.

When using battery power, all three LEDs will flash at the same time to indicate a low battery condition.

LOCATION OF CONTROLS



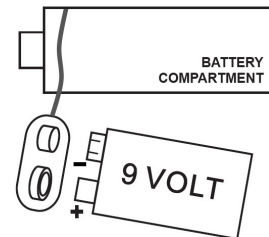
POWER SOURCES

The SFA275 operates using the supplied AC Adapter or with a 9V battery (6F22) (not included).

BATTERY OPERATION

Note: Disconnect the AC adapter before installing the battery.
For best performance and longer operating time, we recommend using alkaline battery.

1. Remove the battery door on the back of the SENSOR UNIT.
2. Insert one new 9V battery (6F22) (not included). Make sure the positive and negative ends of the batteries are connected correctly. Replace the battery door.




BATTERY WARNING

1. Be sure that the battery is installed correctly. Wrong polarity may damage the unit.
2. Use only the size and type of battery specified.
3. If the unit is not to be used for an extended period of time, remove the batteries. Old or leaking batteries can cause damage to the unit and may void the warranty.
4. Do not try to recharge any batteries not intended to be recharged; they can overheat and rupture. (Follow battery manufacturer's directions).

5. Do not dispose of batteries in fire, batteries may leak or explode.

AC ADAPTER OPERATION

An included power adapter with an output of 9V DC  100mA (center “+” positive) can be plugged into the DC IN JACK (#3) of the SENSOR UNIT in place of batteries.



1. Plug the AC adapter into an AC power outlet socket.
2. Insert the DC plug of the AC adapter cord into the DC IN JACK (#3) on the side of the SENSOR UNIT.

WARNINGS:

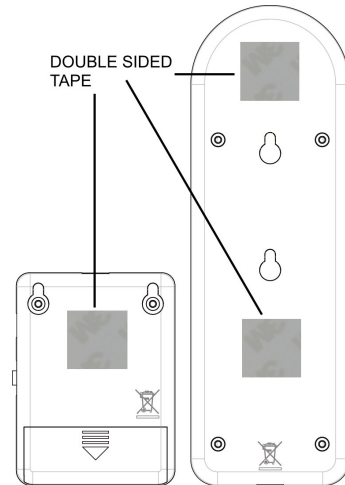
- Before connecting to the power supply, make sure the supply corresponds to the information located on the rating label on the back of the unit.
- Take out the battery before connecting to the power supply.

INSTALLATION

Preparation:

Note: Use alcohol to clean all surface mounting areas thoroughly and then dry with a lint-free cloth prior to attaching the double-sided tape.

1. Locate an area for mounting the sensor and main display unit.
2. Peel away the backing from one side of the two pieces of double-sided tape and attach the two pieces of double-sided tape onto the back of the main display unit as shown.
3. Peel away the backing from one side of the double-sided tape and attach the piece of double-sided tape onto the back of the sensor as shown.
4. Peel away the backing from the double-sided tape mounted on the units, and firmly press them onto the surface you wish to mount them to.



The DISPLAY UNIT should be mounted comfortably within the driver's field-of-vision. The SENSOR UNIT is mounted directly below the DISPLAY UNIT, usually about 20 - 30 inches from the ground.

Different vehicles may trigger the SENSOR UNIT at different points, a slight adjustment to where the sensor is mounted may be necessary.

Make sure the ultrasonic sensor is aligned with the bumper or the license plate so that the ultrasonic signal can be reflected back to the SENSOR UNIT.

Once you've finished installing the SFA275, walk towards the sensor to make sure the alarm sounds and the LED indicators light as you approach the sensor. Once you confirm the system is working, try parking your car using the SFA275.

Note: You can also mount the SFA275 by using mounting screws (not included). Please follow the Wall Mount Instruction sheet if you choose this option.

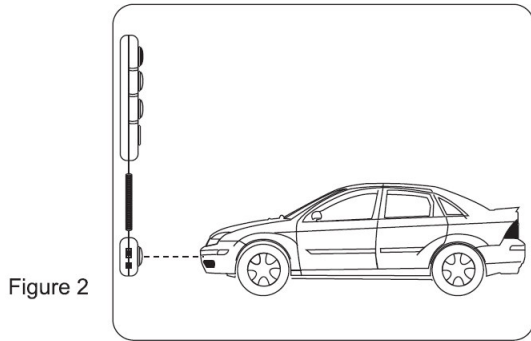


Figure 2

The ultrasonic hole is aligned with the bumper or the number plate.

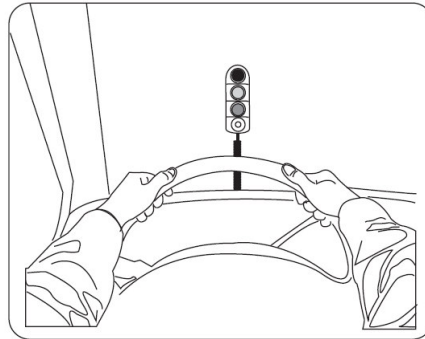


Figure 3

The display unit should be mounted comfortably within the driver's field-of-vision.

Notes:

- The coiled connecting cable must be securely connected to the DISPLAY UNIT and the SENSOR UNIT.
- Make sure that there are no obstacles in front of the SENSOR UNIT (or in the path way of the ultrasonic sensor).
- The ultrasonic sensor should be at the same height as the bumper or the license plate.

OPERATION

1. Set the POWER SWITCH (#2) to ON to turn on the SFA275.
2. The three separate LED alarm ranges are described below in Figure 4. The horizontal axis represents the distance between the SENSOR UNIT and the car, the SENSOR UNIT is at the zero feet position.

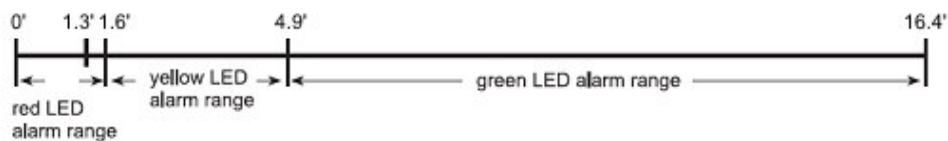


Figure 4

3. Drive the car slowly into the garage. When the car is about 16.4 feet away from the SENSOR UNIT, the GREEN LED begins to flash, and you can continue driving safely, but you should slow down your car.
4. When the car is about 4.9 feet away from the SENSOR UNIT, the YELLOW LED begins to flash, and the built-in buzzer gives a “Beep Beep” sound. You should proceed with caution.
5. When the car is about 1.6 feet away from the SENSOR UNIT, the RED LED begins to flash, and the built-in buzzer gives fast “Beep Beep” sound. You should stop the car now to avoid hitting the wall.
6. If the car is parked at a distance of more than about 1.6 feet from the sensor, all the alarm signals will turn off automatically after about 13 seconds. Once the car moves again (forwards or backwards), the SFA275 will sound an alarm.
7. If the car is parked at a distance of less than about 1.6 feet from the sensor, all the alarm signals will turn off automatically after about 13 seconds. Once the distance between the car and the SENSOR UNIT is more than 1.6 feet, the SFA275 will give alarm signals again.

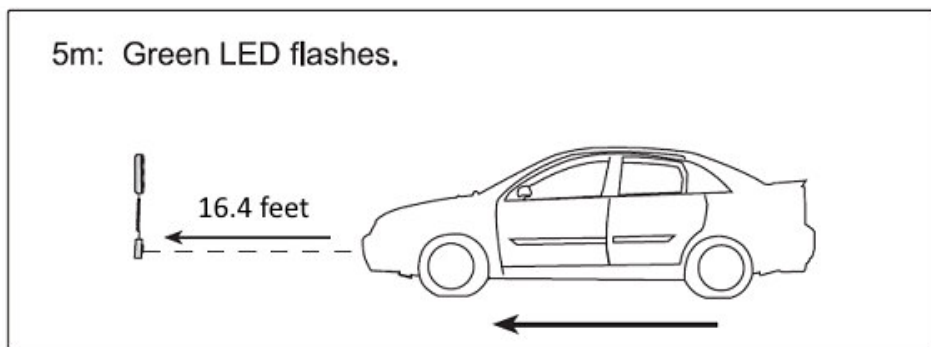


Figure 5

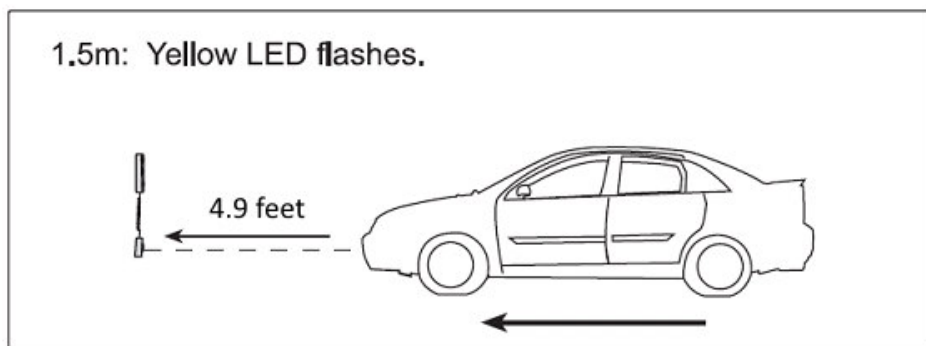
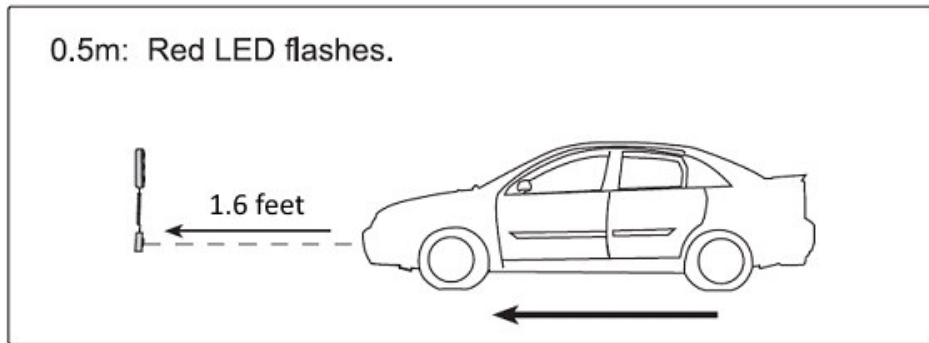


Figure 6



Notes:

- The SFA275 can work continuously and automatically. If you don't use the SFA275 for a long time, please remove the battery (or disconnect the AC Adapter).
- When using the SFA275, make sure that there is no other ultrasonic source nearby.
- Use the SFA275 in a dry, clean area. Any motion caused by wind may turn the unit on.
- Don't open the SFA275 case to avoid electric shock before turn it off.
- If the car speeds into the garage, the accuracy of the alarm indication will decrease.
- Do not use the SFA275 if the battery cover or portions of the case removed or loosened.
- Do not use the SFA275 around explosive gas, vapor or dust.
- Before connect the AC Adapter to the DC input jack of the SFA275, remove the battery first.

SPECTRA GREEN AND LICENSE



At Spectra, environmental and social responsibility is a core value of our business. We are dedicated to continuous implementation of responsible initiatives with an aim to conserve and maintain the environment through responsible recycling.

Please visit us at <http://www.spectraintl.com/green.htm> for more information on Spectra's green initiatives or to find a recycler in your area.

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1 YEAR LIMITED WARRANTY AND SERVICE VALID IN THE U.S.A. ONLY

This product is manufactured, distributed or sold by SPECTRA MERCHANDISING INTERNATIONAL, INC., official licensee for this product. All right, title and interest to use the "First Alert" logo trademarks and the "First Alert" trade dress are exclusively licensed by BRK Brands, Inc. and are used under license from BRK Brands, Inc.. Please contact SPECTRA's Service Department for questions/comments, warranty, support, or service related to this product.

SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants that this product 1) is free from defects in materials and workmanship and 2) conforms to its specifications for a period of 1 year from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable. Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicated copy of a sales receipt.

You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein.

This warranty is valid only in accordance with the conditions set forth below:

1. The warranty applies to the SPECTRA product only while:
 - a. It remains in the possession of the original purchaser and proof of purchase is demonstrated
 - b. It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the owner's manual or non-SPECTRA approved modifications
 - c. Claims are made within the warranty period
2. This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA owner's manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the owner's manual.
3. Warranty of all SPECTRA products applies to residential use only and is void when products are used in a nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE please remove all batteries (if any) and pack the unit carefully and send it prepaid by insured parcel post or UPS to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a

description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so include your name, address, phone number and e-mail address to speed up the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for **\$12.00** to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid.

It is recommended that you contact SPECTRA first at 1-800-777-5331 or by e-mail at custserv@spectraintl.com for updated information on the unit requiring service. In some cases the model you have may be discontinued and SPECTRA reserves the right to offer alternative options for repair or replacement.

SPECTRA MERCHANDISING INTERNATIONAL, INC.
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To register your product, visit the link below on the website to enter your information.

<http://www.spectraintl.com/wform.htm>

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