



COLLISION AWARENESS **LOOK OUT**™

LEADERS OF INTERSECTION PROTECTION SINCE 2009



**15,000 UNITS
IN USE!**

**SHIPS UPS
GROUND!**

**Our Products
Alert Employees Of
Dangerous Collisions
BEFORE They Occur!**



Proud Member



Toll FREE: 888-324-1920





KEEP YOUR WORKFORCE PROTECTED!

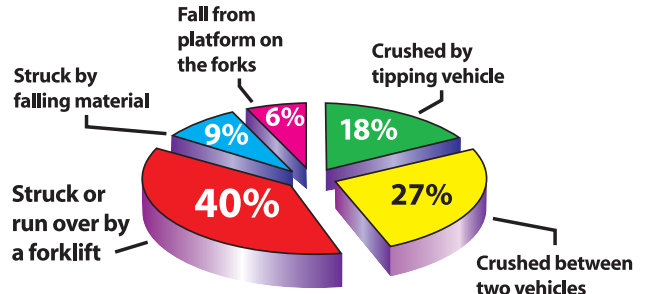
We're the Leader in Intersection Protection. Our goal is to help your employees avoid accidents and reduce your exposure to liabilities.

Collision Awareness products are designed to monitor any traffic & alert others, just around the corner.

40% of all forklift fatalities are caused by an individual being struck or run over by a forklift.

Many of these accidents and fatalities can be avoided by warning pedestrians and operators of approaching danger.

Our **LOOK OUT** Sensor Alert Warning System allows for quick and easy recognition of possible hazardous situations. Why take chances of liabilities when you can avoid accidents and protect your most valuable assets.

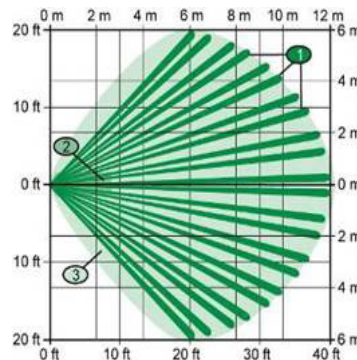


By creating awareness to a possible danger, you reduce the risk of damage, injury and death. Reducing risk should reduce your liability and exposure to workman's compensation claims, and increase employee morale as they see the company efforts to provide a safe workplace.

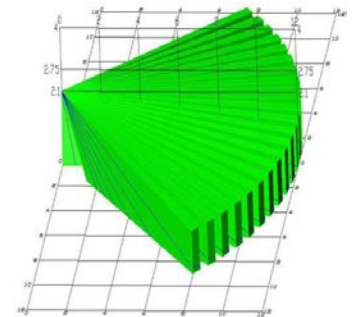
NEW STATE-OF-THE-ART SENSORS



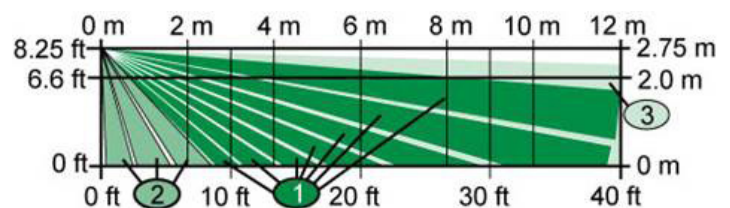
Collision Awareness chooses Bosch sensors as their standard sensor for the 42 standard package offerings. The quality and reputation of Bosch, together with Collision Awareness, continues to place us as the leaders of Intersection Protection. This upgrade improves the field of detection and reduces false alerts. Includes a blue sensor indicator light.



Top View



3D View

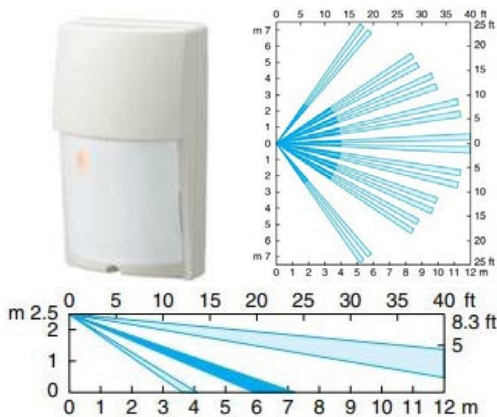


Side View

APPLICATION SPECIFIC SENSORS

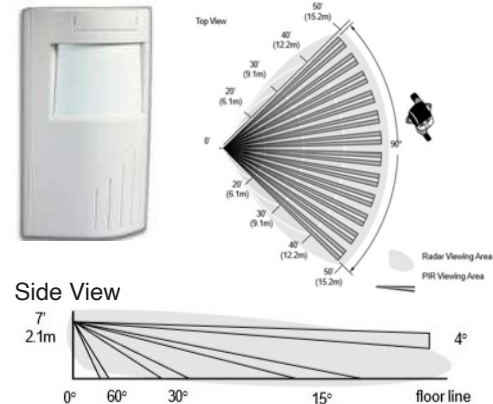
(AT AN ADDITIONAL COST)

EXTERIOR SENSOR



- Coverage: 40' x 40'
- Temperature range: -40°F – 122°F
- High reliability against water and insects
- Double conductive shielding can resist more than 50,000 lux of sunlight, eliminating false alarms from light sources.
- Day and Night—Capable of sensing around the clock; both during the day and through the night.

RADAR SENSOR



- Coverage: 50' x 90°
- Temperature range: 32°F – 122°F
- Selectable range up to 50'
- Combined range-controlled radar technology with a passive infrared system to increase false alarm immunity by allowing it to sense human-sized objects within a specified range.

FIT SENSOR



- Coverage: Available in 70', 130', and up to maximum distance of 200' between sensors
- Temperature range: -31°F - 140°F
- Utilizes infrared beam disruption detection
- Used in our Fit Packages 1, 2, and 3 for alerting drivers to overhead obstacles (pg. 17)



- With a high reliability against water and insects, a dust-tight seal, an anti-frost hood cover, and an automatic gain control circuit that monitors changes in conditions and adjusts the signal's strength and sensitivity, this sensor is perfectly fit for both indoor and outdoor applications.

STANDARD POWER SUPPLY CORDS

Suggested lengths based on application:

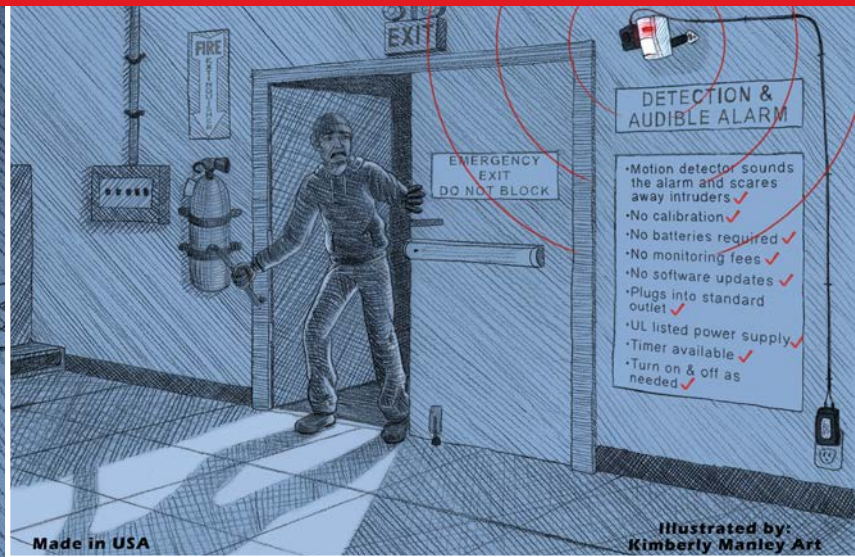
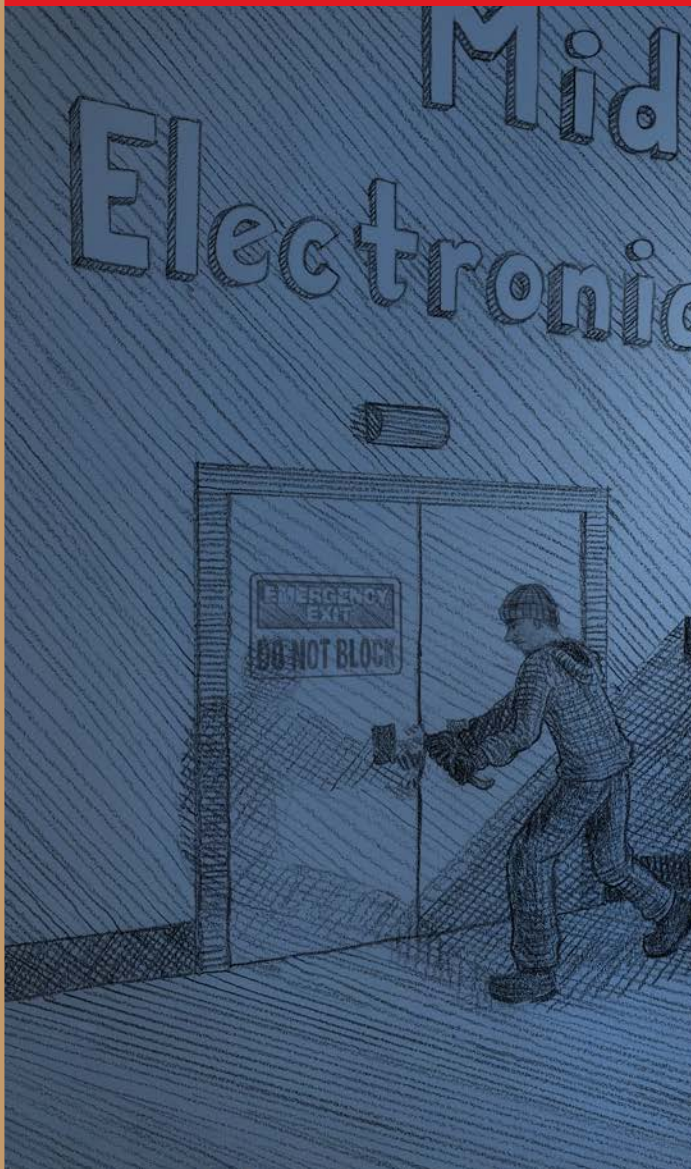
- Wall mounted – 15' (pictured)
- Rack mounted – 25'
- Ceiling hung – 50', 75', or 100'
- Power supply has a 1 amp draw



Universal Transformer (pictured)

A UL listed universal transformer is used in order to receive incoming voltage from 120 Vac, 220 Vac, or 277 Vac and is reduced to 24 Vdc to energize our units. The transformer is mounted in a UL approved junction box by a licensed electrician and then the remaining 2' cord plugs into the top of our units, just like the standard power supply jack.

DOOR ALERT



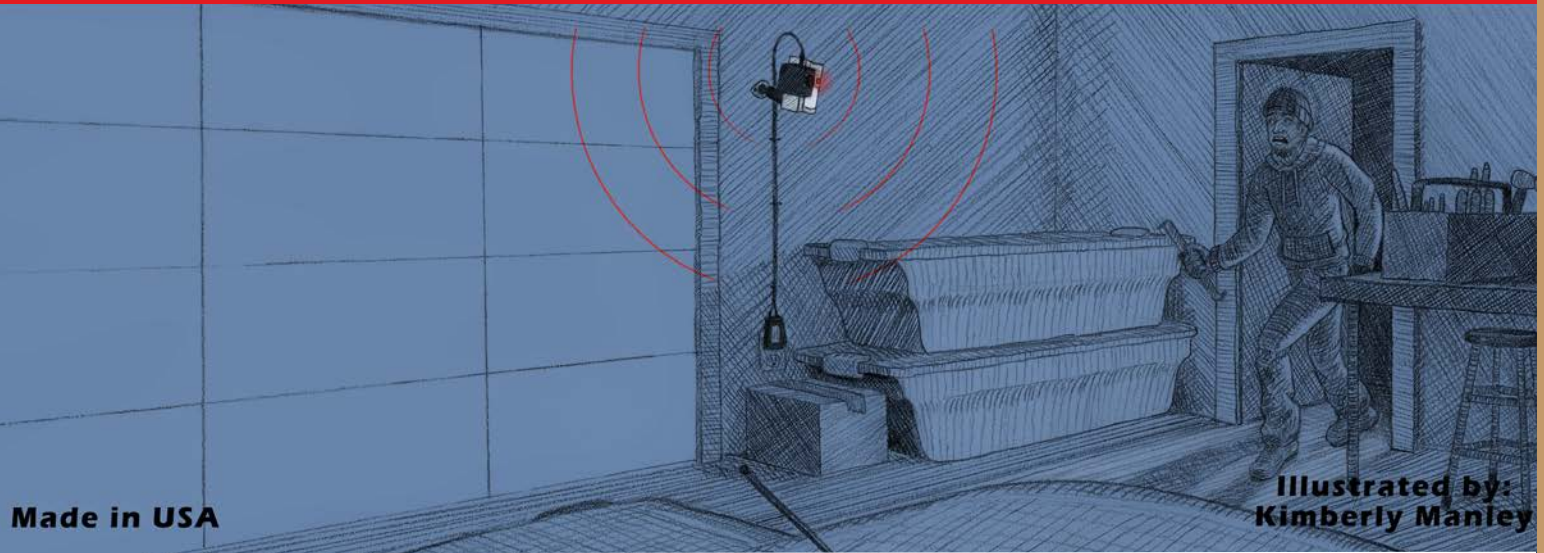
Introducing **DOOR ALERT**

Not expecting visitors?

Do you want to protect areas people **SHOULD NOT** be entering?

Collision Awareness presents **DOOR ALERT**: an economic, no maintenance, hassle free solution to keeping your facility protected from intruders.

RESIDENTIAL OPTION



- **Motion detector sounds the alarm and scares away intruders.**
- **No calibration**
- **No batteries required**
- **No monitoring fees**
- **No software updates**
- **Plugs into standard outlet**
- **UL listed power supply**
- **Timer available**
- **Turn on and off as needed**

CONSIDER THE BASICS

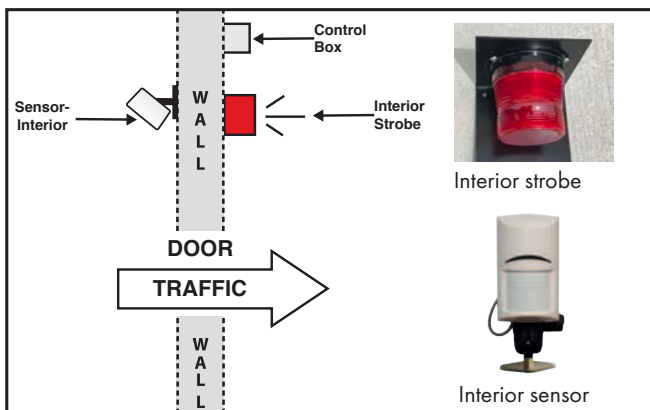
**Detect on one side,
alert on the other side**

**Choose from
the following
six basic models**



Featured: Hall Door Basic

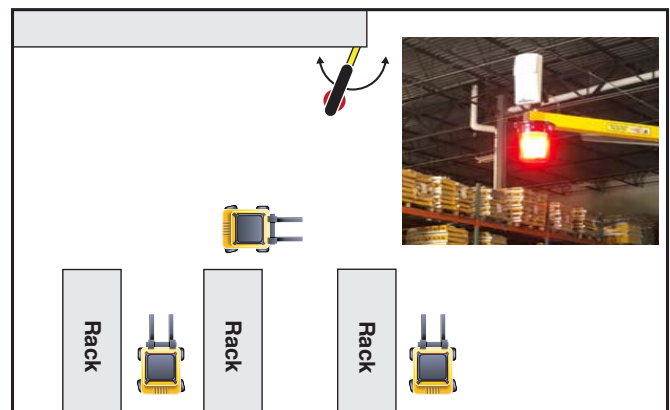
ECONOMY STROBE



An inexpensive and economical way to detect in one direction and alert with a bright red strobe

- Includes:**
- Red Strobe, Control Box, and Wall Mount Bracket
 - Interior Sensor
 - Wall Mount Bracket

AREA MONITOR

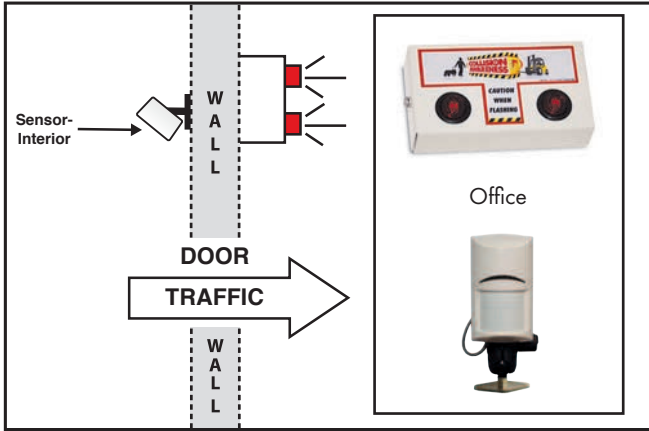


Mount in an area where there are no defined traffic lanes and rotate towards traffic as patterns change.

- Includes:**
- Wall mounted aluminum arm with a swivel
 - Red Strobe
 - All Weather Sensor

CHOOSE INTERIOR BOXES

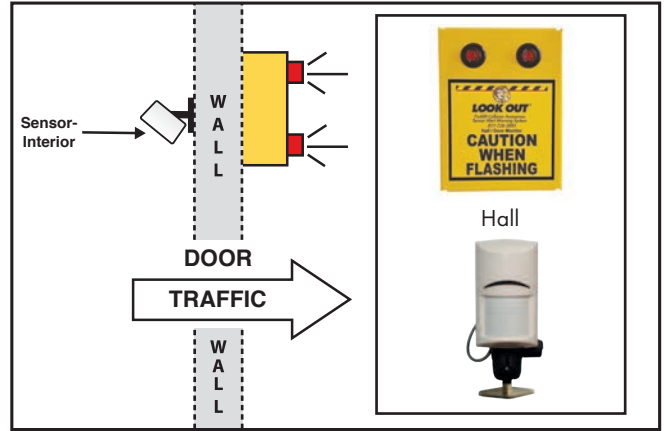
OFFICE DOOR BASIC



Alert individuals inside the office of forklift activity on the other side of an office door as well as foot traffic entering the office area.

- Includes:**
- Low profile office box
 - Interior Sensor
 - Wall Mount Bracket

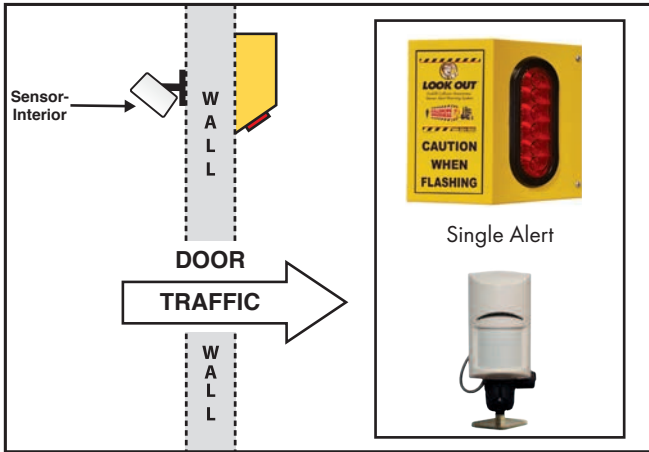
HALL DOOR BASIC



Alert individuals and forklift drivers of potentially dangerous traffic on the other side of a door or hallway. (See illustration on previous page)

- Includes:**
- Interior Alerting Box with two small red lights
 - Interior Sensor
 - Wall Mount Bracket

OVERHEAD DOOR BASIC—SINGLE



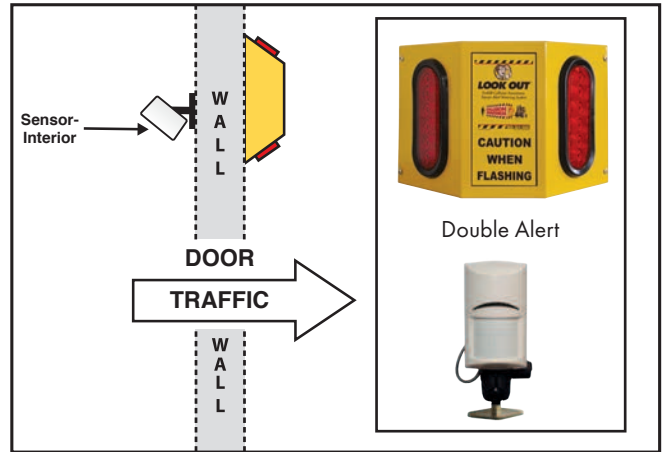
Alert forklift operators and individuals in a two way traffic pattern of potentially dangerous traffic coming through strip doors, high speed doors, and passing through openings.

- Includes:**
- OHD Box with one large red light
 - Interior Sensor
 - Wall Mount Bracket

Options for Improved Visibility:

- Add additional Interior Sensor
 - Add an Interior Audible Alert
 - Add on the Wall Burst feature
- (Available on any yellow box style)

OVERHEAD DOOR BASIC—DOUBLE



Alert forklift operators and individuals in a two way traffic pattern of potentially dangerous traffic coming through strip doors, high speed doors, and passing through openings.

- Includes:**
- DOD Box with two large red lights
 - Interior Sensor
 - Wall Mount Bracket



Interior Sensor Interior Audible Wall Burst

2-WAY INTERSECTIONS

FOR TYPICAL FORKLIFT TRAFFIC ALERTS

Each sensor alerts the opposite corner and both sensors can be activated simultaneously. Units include mounting hardware and can be installed in minutes. UL listed for US and Canada.

LOOK OUT 1

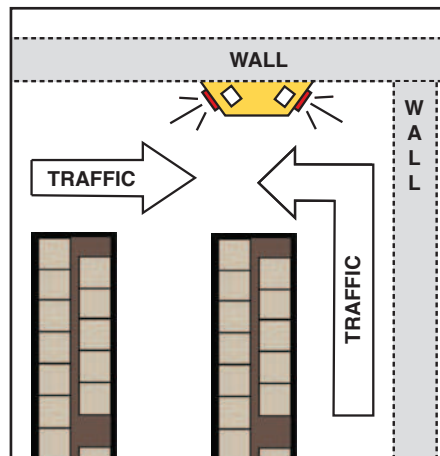


- End of rack aisles
- Wall mount for end of aisle obstructions
- Uses a single set of flashing LED lights
- 528 lumens from each lens

Options for Improved Visibility:

- Add Interior Audible
- Wall Burst Option Available on Look Out 1 Wall

LOOK OUT 1 WALL



- Mount to wall opposite of end of rack aisles
- Uses a set of 2 small flashing LED lights
- 528 lumens from each lens

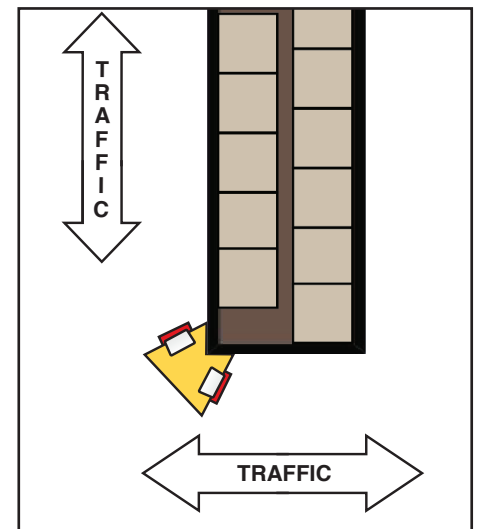


Interior Audible **Wall Burst**

LOOK OUT 2



- An additional set of lights that alternate when activated



MADE in the U.S.A.



3-WAY INTERSECTIONS

LOOK OUT 3 RACK



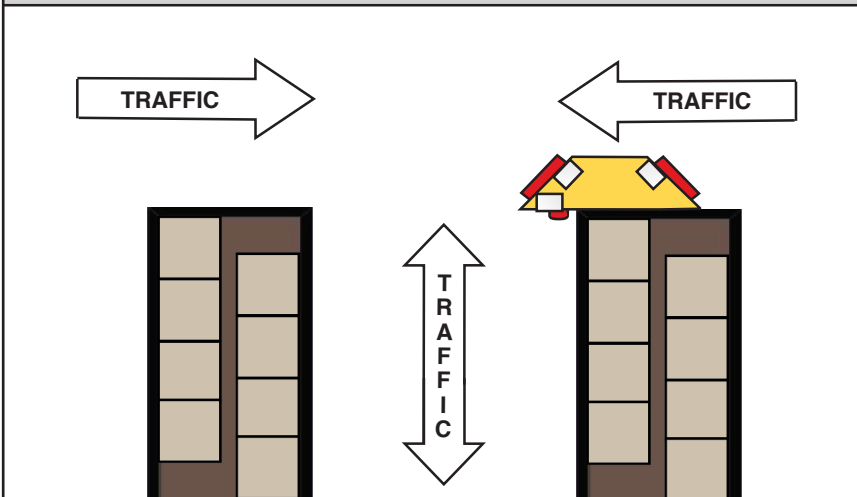
Front view



Rear view

- Monitor 3-way intersections and alert in all directions
- Two sensors monitor the main aisle while a third monitors the row that meets in the main aisle to provide an alert in 3 directions

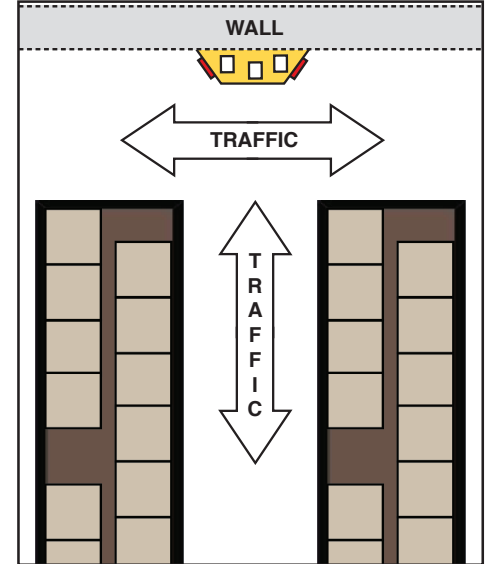
Detect traffic from 3 directions and alert in 3 directions



LOOK OUT 3 WALL



- Monitor 3-way intersections and alert in all directions
- Two sensors monitor the main aisle while a third monitors the row that meets in the main aisle to provide an alert in 3 directions



Options for Improved Visibility:

- Add Interior Audible
- Add Wall Burst



Interior Audible



Wall Burst

MADE in the U.S.A.

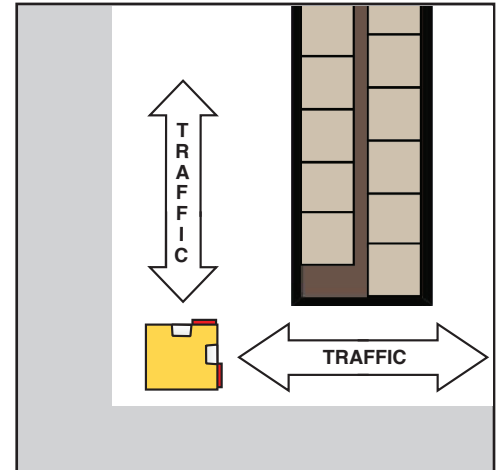


2, 3, AND 4-WAY INTERSECTIONS

LOOK OUT 2 XL



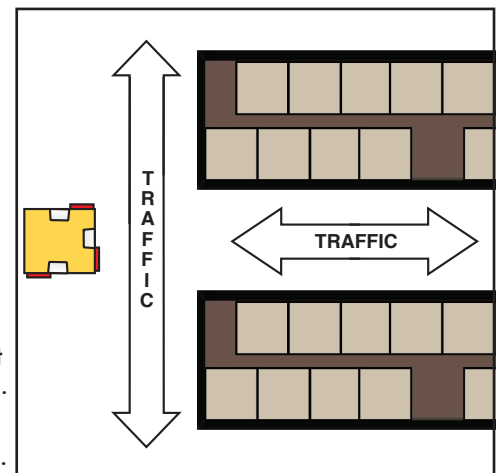
- 2 lights, 2 sensors
- Provides coverage for traffic around corners.
- Sensor range is 35' away and 40' wide, providing adequate distance to stop a fork truck traveling at OSHA recommended speeds.
- Add-ons for an audible alarm and floor burst light (red or blue) are available.
- Unit activates when both sensors detect motion.



LOOK OUT 3



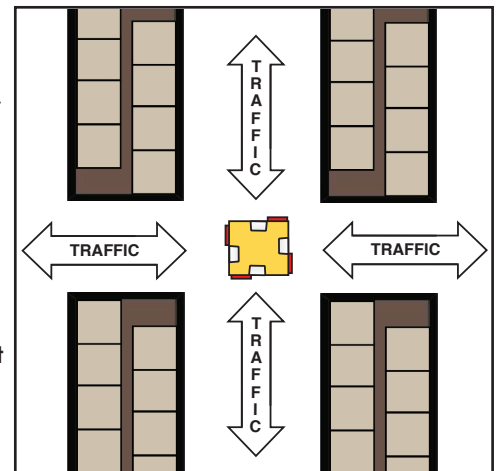
- 3 lights, 3 sensors
- Provides coverage for 3-way traffic intersections.
- Sensor range is 35' away and 40' wide, providing adequate distance to stop a fork truck traveling at OSHA recommended speeds.
- Add-ons for an audible alarm and floor burst light (red or blue) are available.
- Unit activates when any two sensors detect motion.



LOOK OUT 4



- 4 lights, 4 sensors
- Provides coverage for 4-way traffic intersections.
- Sensor range is 35' away and 40' wide, providing adequate distance to stop a fork truck traveling at OSHA recommended speeds.
- Add-ons for an audible alarm and floor burst light (red or blue) are available.
- Unit activates when any two sensors detect motion.



NEW PRODUCTS!

NEW! BLUE BEAM LIGHT AND RACK ARM MOUNT

PROVIDE AN ADDITIONAL BEAM OF SAFETY!

Too often employees become distracted and miss important warning devices. Our floor burst options provide an extremely bright light that illuminates the floor of an intersection before traffic passes through. These burst lights are available on the Ceiling Hung models Look Out 2 XL, Look Out 3, and Look Out 4.

- Drivers can be fatigued, distracted, or simply inattentive. Catch their attention with a burst light!
- The Red Floor Burst has a fast pulsating light and the Blue Beam is a steady light.

NEW! RACK ARM MOUNT!

The new **Rack Arm Mount** was designed with our customers in mind!

- Bracket and arm made from steel.
- Arm mounted in bracket can swivel over 90° allowing for customizable and flexible positioning.
- Bracket mounts securely to rack using T-Bolts and can be installed in minutes.
- Unit mounts to arm using 12" bolt with a washer and nylon locknut. Installation is simple and can be done in minutes.



Rack Mount and T-Bolt



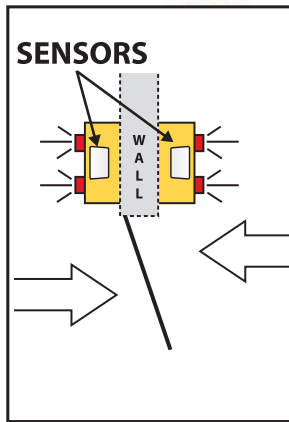
Arm can be rotated 90° either left or right.



STANDARD INTERIOR DOOR MODELS

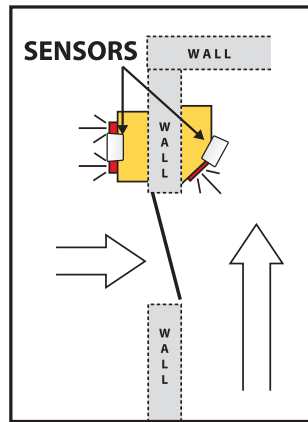
HALL DOOR MONITORS 2, 3, & 4 include sensors to detect pedestrians as they approach the door and alert the forklift operator as they pass by the doorway, creating a safety zone. The sets of **HALL DOOR MONITORS** below illustrate the options available. We can also develop custom options for your specific needs. A 15' power cord is recommended and is an additional cost. Longer power cords are also available and come in 25', 50', and 100'.

HALL DOOR MONITOR 2



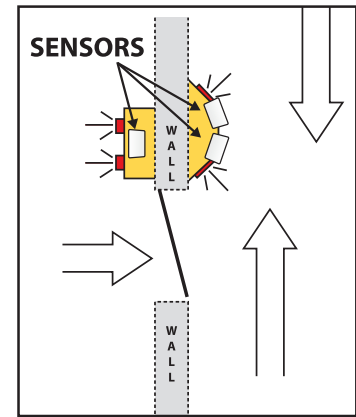
- Includes:**
- Two Interior Alerting Boxes, both with two small red lights
 - Two Interior Sensors
 - 3' Wiring Harness

HALL DOOR MONITOR 3



- Includes:**
- Interior Alerting Box with two small red lights
 - OHD Box with one large red light
 - Two Interior Sensors
 - 3' Wiring Harness

HALL DOOR MONITOR 4



- Includes:**
- Interior Alerting Box with two small red lights
 - DOD Box with two large red lights
 - Three Interior Sensors
 - 3' Wiring Harness

Options for Improved Visibility:

- Add an Interior Audible Alert
- Add on the Wall Burst feature



Interior Audible



Wall Burst

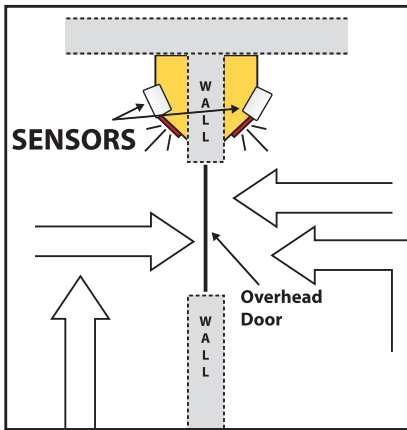


Featured: Hall Door Monitor 2

OVERHEAD DOOR MODELS

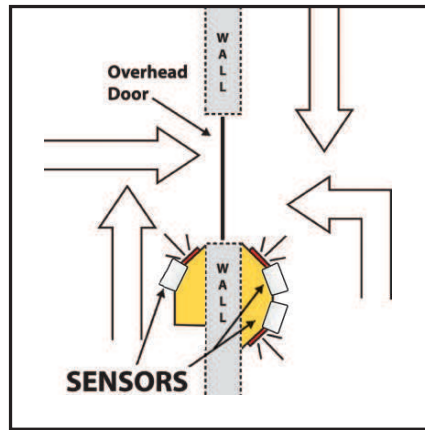
The Overhead Door series is similar to the Hall Door series, except with larger lights. **OVERHEAD DOOR 2** is your primary line of defense designed to alert forklift operators and pedestrians as they approach an overhead doorway. Before passing through, the sensor(s) detect motion on one side and activate the light on the opposite side, alerting pedestrians and forklift operators. **OVERHEAD DOOR 3 & 4** expand your area of defense with multiple sensors to alert forklift operators and individuals as they approach an overhead doorway. The additional radius of sensors will help protect high-traffic areas and areas that may consist of either temporary or permanent obstructions which block the view of approaching traffic.

OVERHEAD DOOR 2



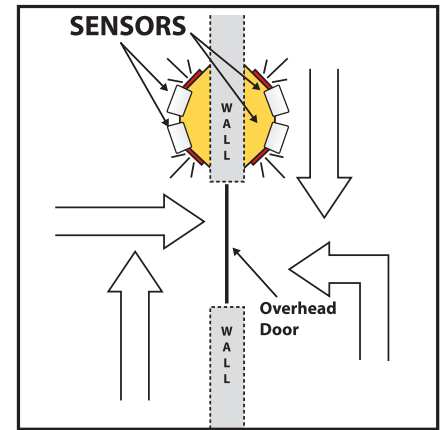
- Includes:**
- Two OHD Boxes, both with one large red light
 - Two Interior Sensors
 - 3' Wiring Harness

OVERHEAD DOOR 3



- Includes:**
- OHD Box with one large red light
 - DOD Box with two large red lights
 - Three Interior Sensors
 - 3' Wiring Harness

OVERHEAD DOOR 4



- Includes:**
- Two DOD Boxes, both with two large red lights
 - Four Interior Sensors
 - 3' Wiring Harness



GREAT FOR:

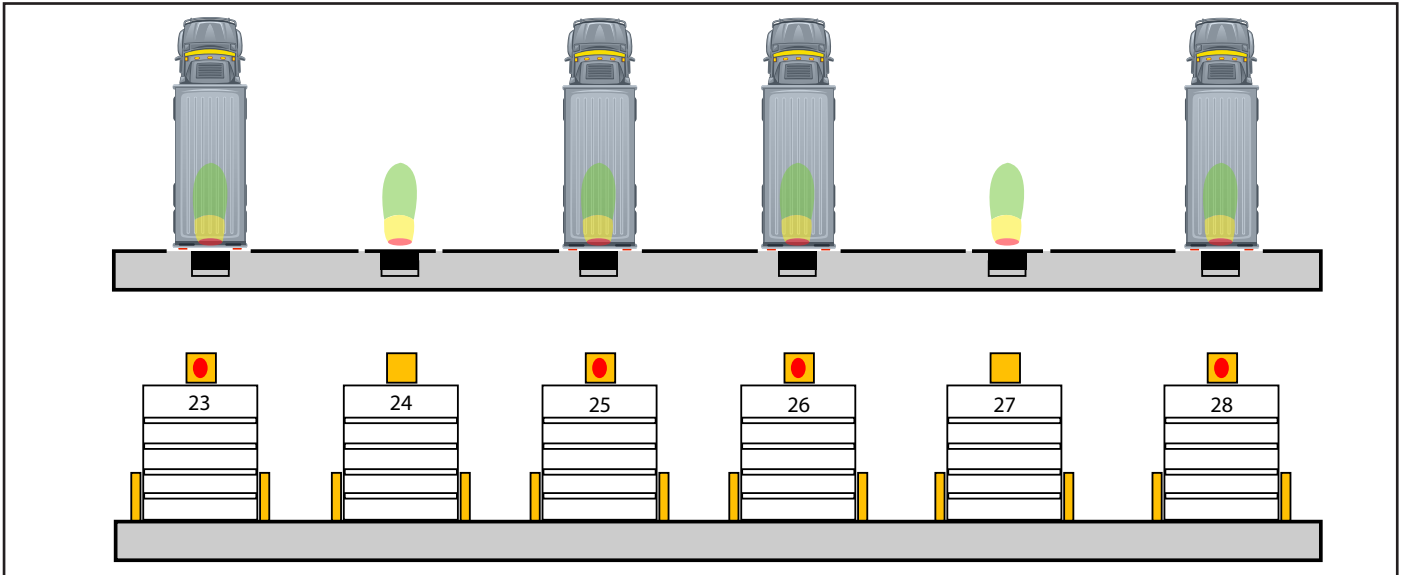
- Expensive high speed doors
- Strip doors

Featured: Overhead Door 2

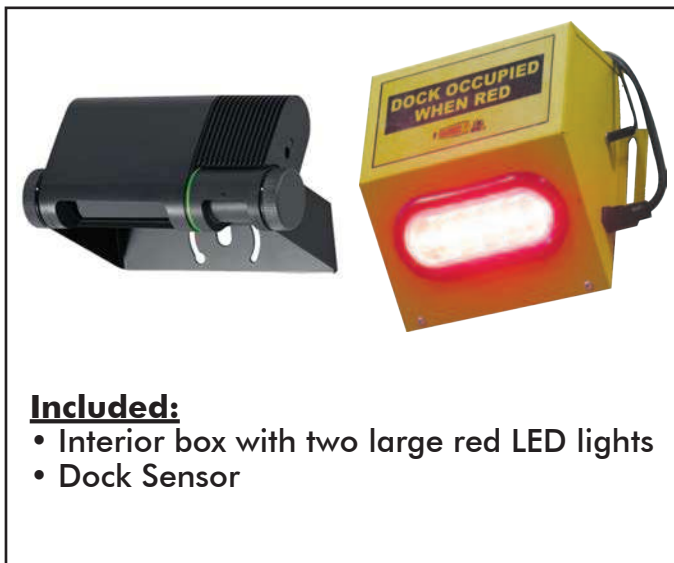
DOCK AWARENESS

ALWAYS KNOW WHEN YOUR DOCK DOOR IS OCCUPIED WITH DOCK ALERT!

Includes the Dock Awareness Sensor and Interior Light Box



Dock Alert



Included:

- Interior box with two large red LED lights
- Dock Sensor

Program the Sensor from Your Phone



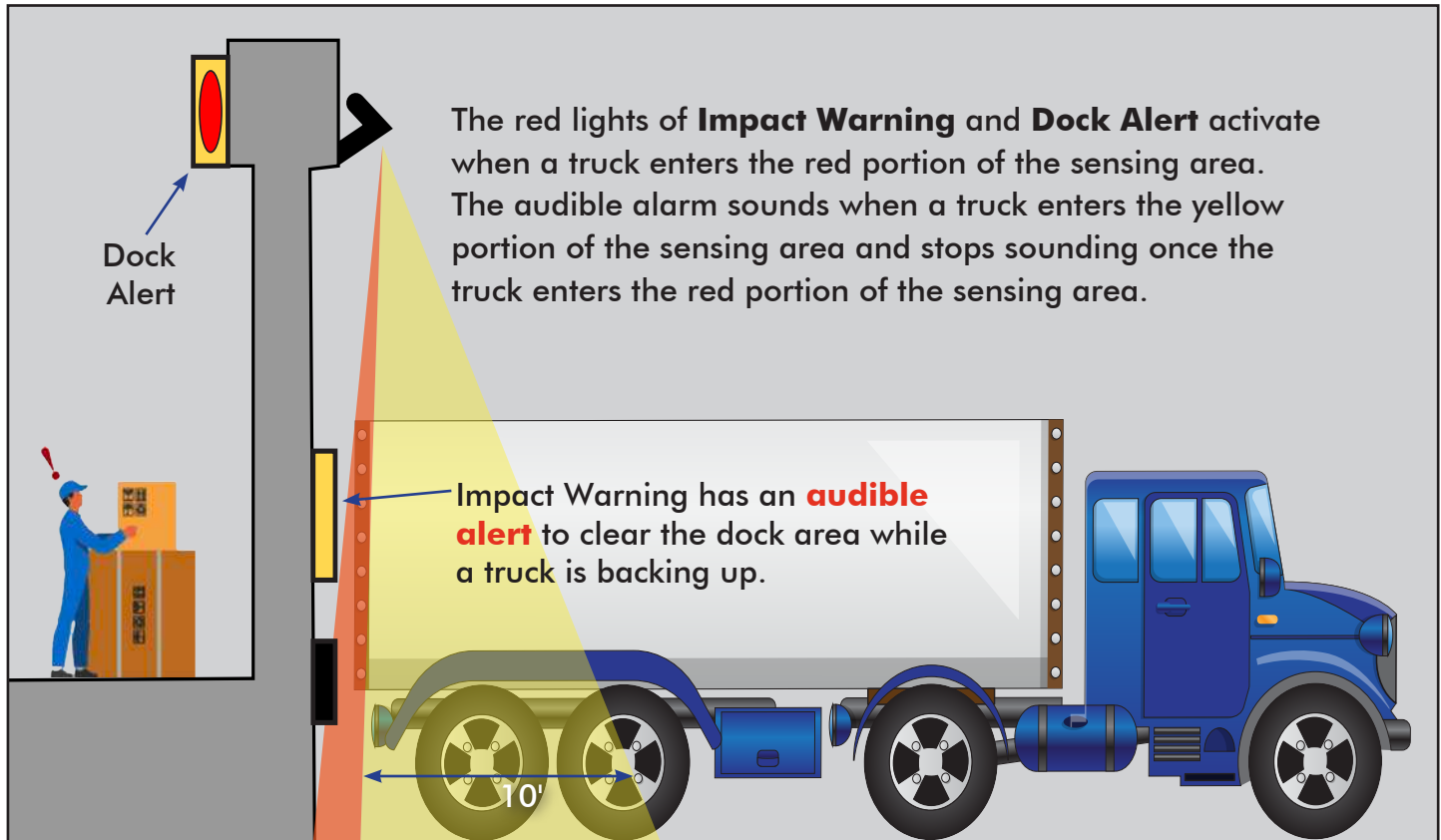
Designed with our customers in mind, our new **Dock Alert** sensor is the ideal choice for detecting trucks at your dock door!

- The sensor easily mounts to the wall and can be rotated to fit your application perfectly.
- After mounting, further configuration and fine tuning can be done through a smart phone app.
- Once settings are created in the app, they can be saved and loaded onto other sensors on site, saving you installation time and ensuring consistent, reliable results.

DOCK DETECTION

REDUCE HARD IMPACTS AND PROTECT YOUR DOCK WITH IMPACT WARNING

Includes the Dock Alert Sensor and Exterior Light Box



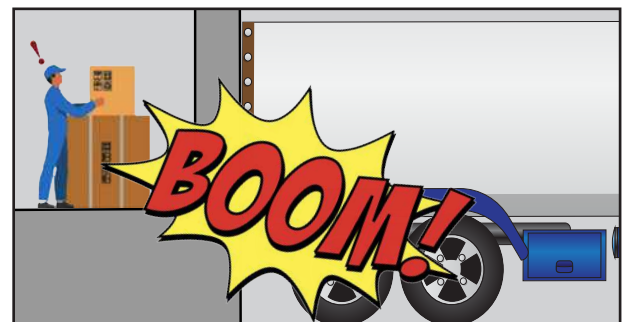
Impact Warning



Protect Your Dock

Save \$1000's in repairs to your dock as well as:

- Dock Bumpers
- Dock Levelers
- Dock Seal Sides
- Dock Seal Headers



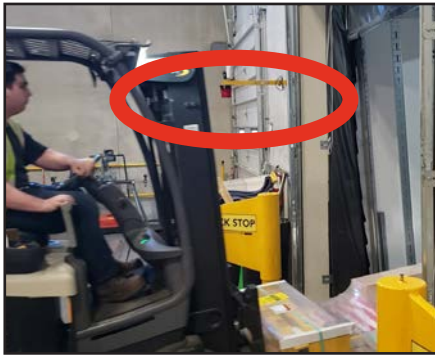
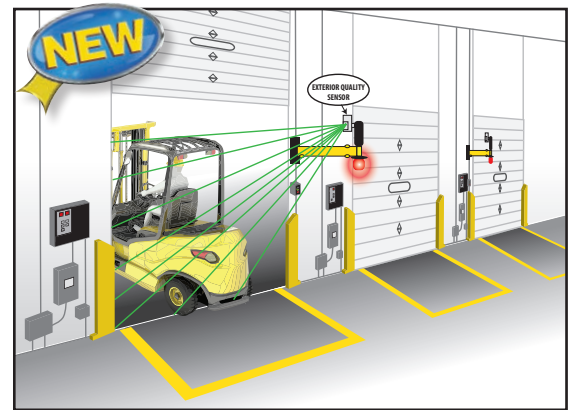
DOCK WATCHER SENSORS

KEEP DOCK TRAFFIC WORKING WITH SAFETY IN MIND!

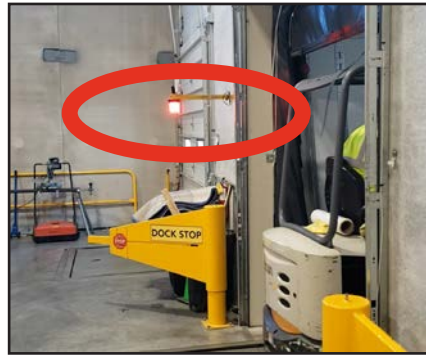
DOCK DOOR MONITORS

DOCK DOOR MONITORS have a wall mounted arm with swivel feature that allows the exterior sensor to monitor activity in a trailer. As the fork truck backs out, the bright flashing strobe warns co-workers. Plugs directly to a 110 Vac outlet.

- Exterior Sensor
- Aluminum Arm
- Sealed Red Strobe



Dock Door Monitor activates and stays active while a forklift is in a truck



Mount to door track or wall

NEW! Safety Light Stick PPE on the Go!

- Foldable, portable, and stands 4' – 6' tall.
- Arrives assembled!
- Strobes are battery powered. Two "D" batteries provide 300-400 hours of power to the strobes.
- LED stand legs are available, power with a plug-in cord.
- Comes with additional magnetic base.
- Optional Safety Sign available.
- Available in **Red** or **AMBER**.

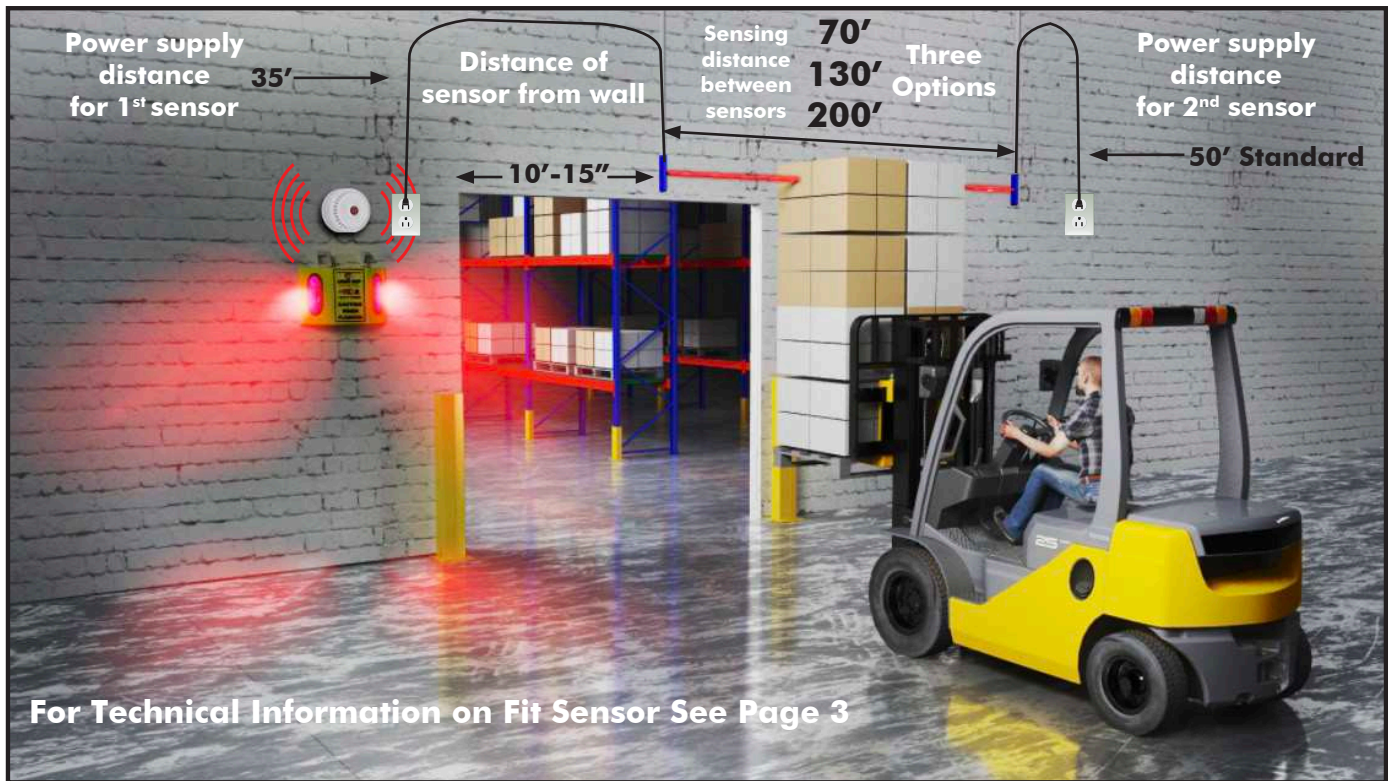


THE 'FIT' HEIGHT AWARENESS SENSORS

THE 'FIT' HEIGHT AWARENESS SENSORS

The 'FIT' height warning sensors alert from truck drivers of overhead obstacles that may be in the line of an elevated mast. When sensor beams are broken, the 'FIT' lights and audible continuously alert the driver to potential danger. Sensors should be mounted protect obstacles approximately 10' – 15' before obstacles. 15' power cord is recommended.

- Choose from 70', 130', and 200' options for distance between sensors.
- Sensors and selectable audible can be used for interior or exterior applications.



GREAT FOR:

- Sprinkler heads above rack
- Overhead heaters
- Overhead lights
- Overhead Storage
- Ceiling Fans
- Air handlers
- Loading Dock Awnings
- Industrial Canopies
- Overhead Bridge Cranes
- Interior Doorways
- Parking Garages

Selectable Audible

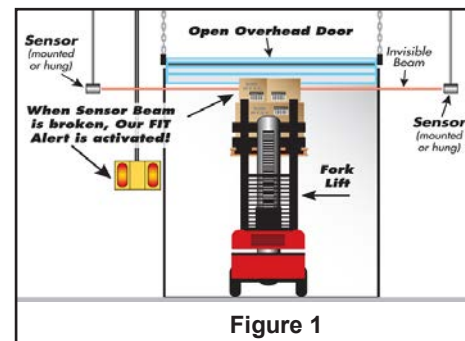
- Comes standard with all Fit Packages
- Choice of 32 tones
- Produces 82 - 100 dBa



Selectable Audible

Add additional sets of sensors to detect from the opposite side or from multiple openings.

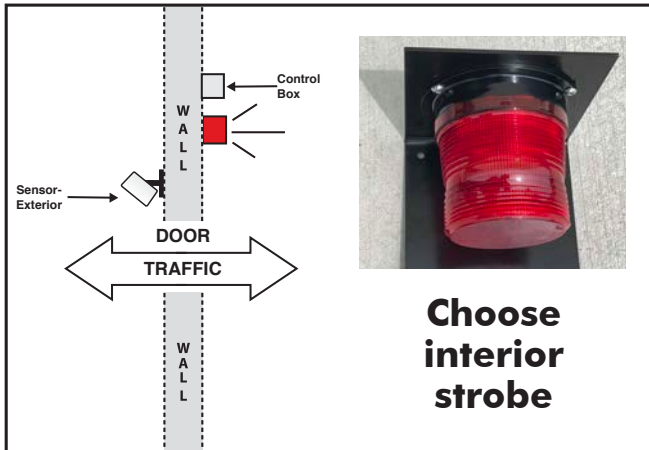
- Fit Pkg 1 – 1 set of sensors
- Fit Pkg 2 – 2 sets of sensors
- Fit Pkg 3 – 3 sets of sensors



NOW DETECT OUTDOORS

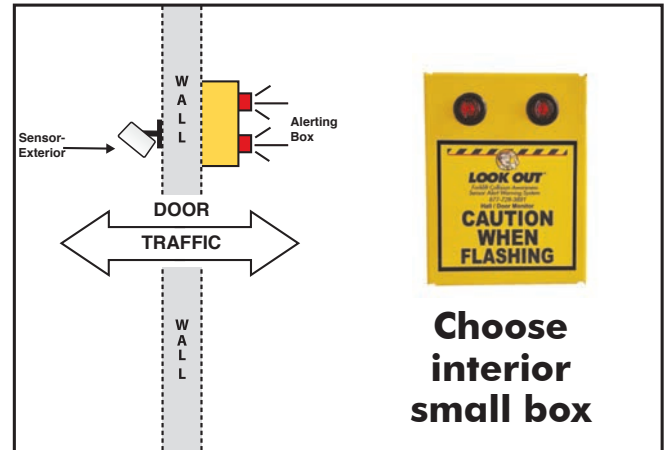
KEEP YOUR WORK FORCE PROTECTED FROM EXTERIOR TRAFFIC ALSO! Collision Awareness continues to develop additional products to keep you protected. Below are new exterior options. Simply choose which option alerts indoors from **Dual Use 1 through 4** with an exterior sensor and bracket. If you require detection on both sides of the door, choose from **Dual Use 5 through 12**, with sensors and alerting boxes on both sides of the walls on the following pages.

DUAL USE 1 EXT-STB



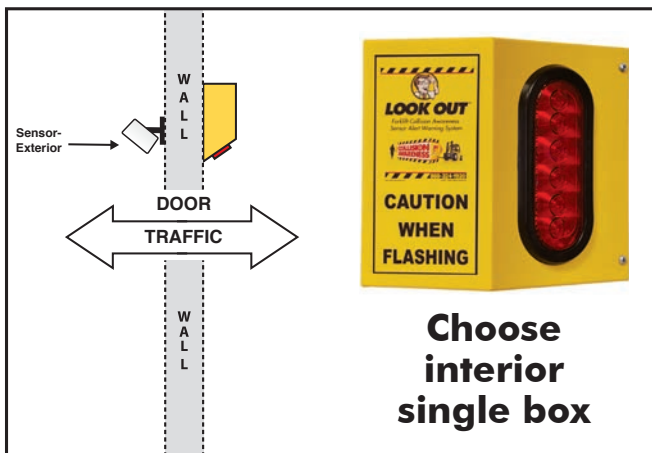
- Red Strobe, Control Box, and Wall Mount Bracket
- Exterior Sensor
- Wall Mount Bracket

DUAL USE 2 EXT-SML



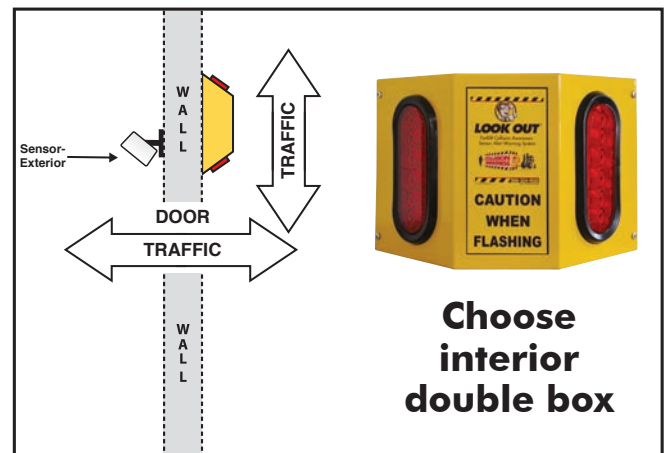
- Interior Alerting Box with two small red lights
- Exterior Sensor
- Wall Mount Bracket

DUAL USE 3 EXT-OHD



- OHD Box with one large red light
- Exterior Sensor
- Wall Mount Bracket

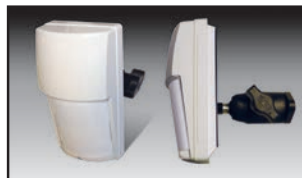
DUAL USE 4 EXT-DOD



- DOD Box with two large red lights
- Exterior Sensor
- Wall Mount Bracket

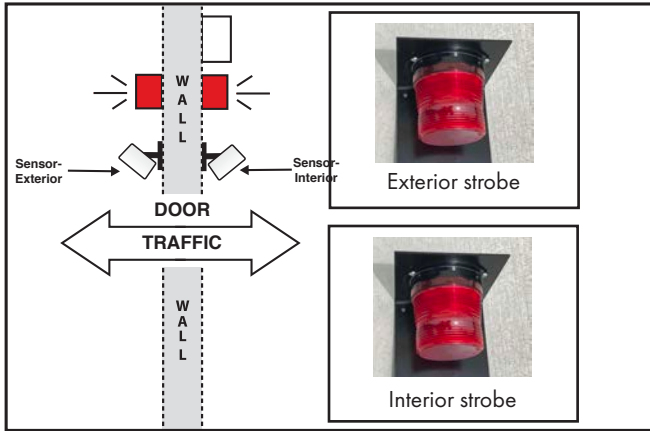
Options for Improved Visibility:

- Add additional Exterior Sensor
 - Add an Interior Audible Alert
 - Add on the Wall Burst feature
- (Available on any yellow box style)



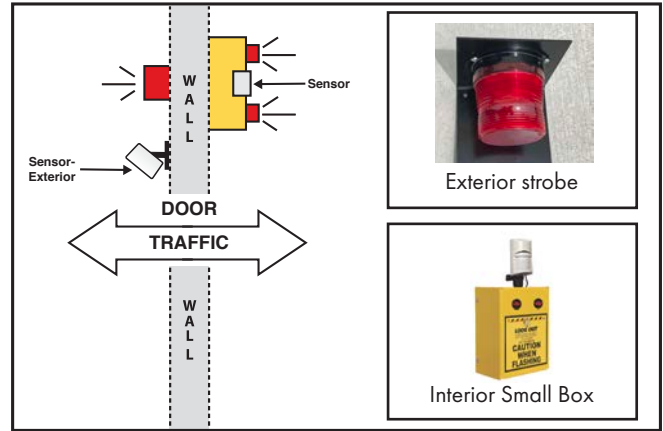
& ALERT INSIDE

DUAL USE 5 EXT-STB



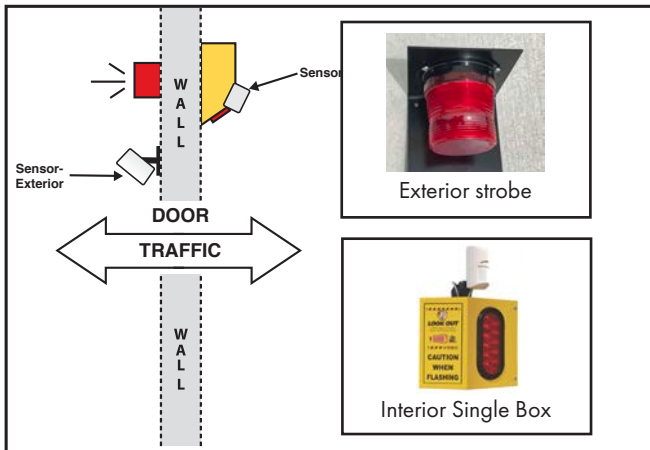
- 2 Red Strobes and 1 Control Box with 2 Wall Mount Brackets
- 1 Exterior Sensor and 1 Interior Sensor
- 2 Wall Mount Brackets

DUAL USE 6 EXT-SML



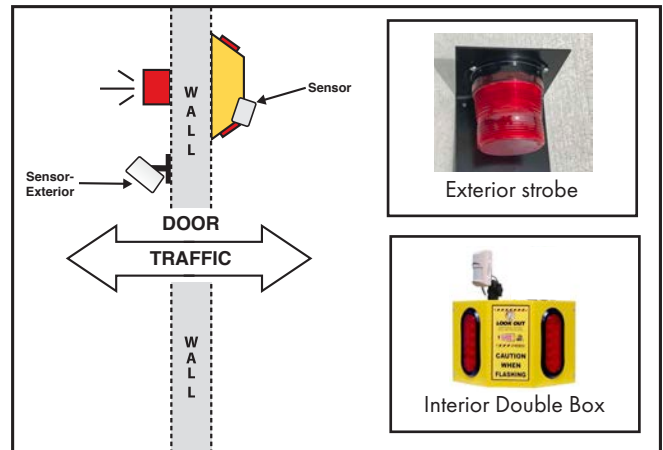
- Red Strobe with Wall Mount Bracket
- Interior Alerting Box with two small red lights
- 1 Exterior Sensor and 1 Interior Sensor
- 1 Wall Mount Bracket

DUAL USE 7 EXT-OHD



- Red Strobe with Wall Mount Bracket
- OHD Box with one large red light
- 1 Exterior Sensor and 1 Interior Sensor
- 1 Wall Mount Bracket

DUAL USE 8 EXT-DOD



- Red Strobe with Wall Mount Bracket
- DOD Box with two large red lights
- 1 Exterior Sensor and 1 Interior Sensor
- 1 Wall Mount Bracket

Options for Improved Visibility:

- Add additional Exterior Sensor
 - Add additional Interior Sensor
 - Add an Interior Audible Alert
 - Add on the Wall Burst feature
- (Available on any yellow box style)



Interior Sensor



Exterior Sensors



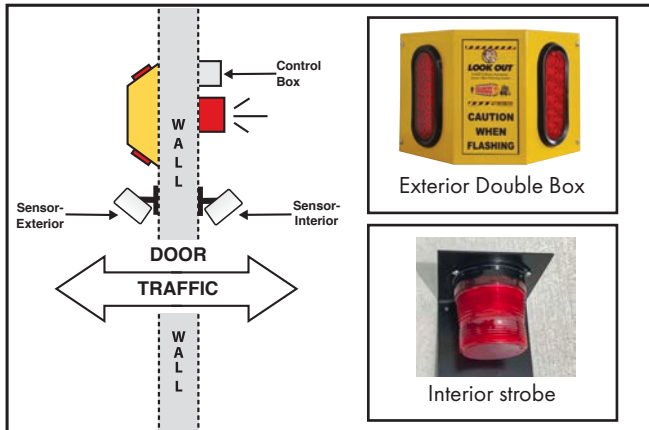
Interior Audible



Wall Burst

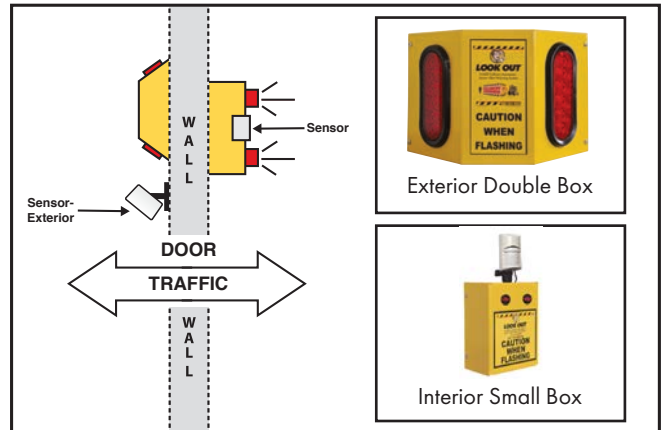
NOW DETECT OUTDOORS & ALERT INSIDE

DUAL USE 9 EXT-STB



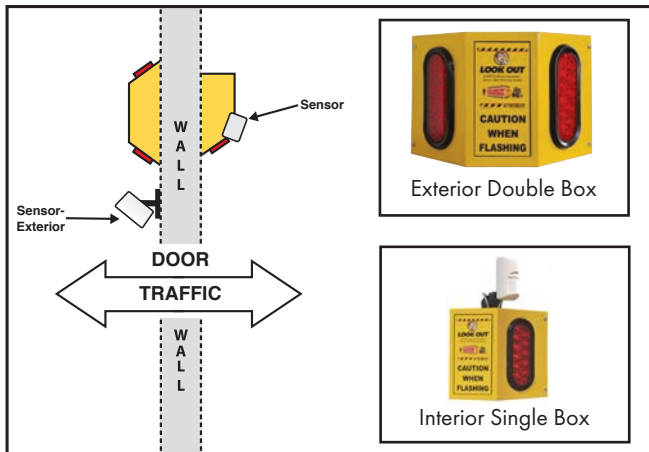
- DOD Exterior Box with two large lights
- Red Strobe, Control Box, and Wall Mount Bracket
- 1 Exterior Sensor and 1 Interior Sensor
- 2 Wall Mount Brackets
- 5' Wiring Harness

DUAL USE 10 EXT-SML



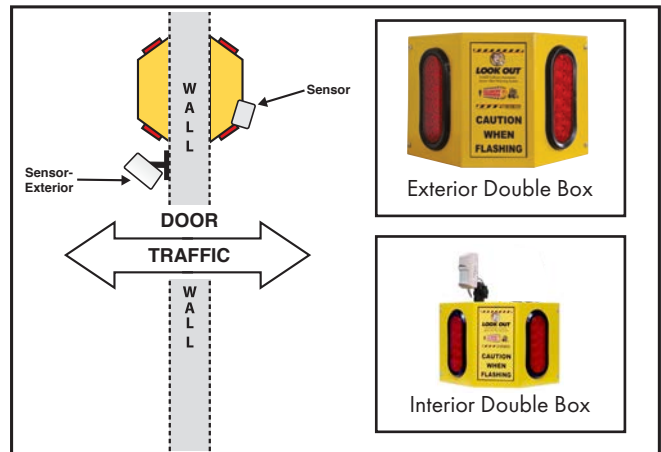
- DOD Exterior Box with two large lights
- Interior Alerting Box with two small red lights
- 1 Exterior Sensor and 1 Interior Sensor
- 1 Wall Mount Bracket
- 5' Wiring Harness

DUAL USE 11 EXT-OHD



- DOD Exterior Box with two large lights
- OHD Box with one large red light
- 1 Exterior Sensor and 1 Interior Sensor
- 1 Wall Mount Bracket
- 5' Wiring Harness

DUAL USE 12 EXT DOD



- DOD Exterior Box with two large lights
- DOD Box with two large red lights
- 1 Exterior Sensor and 1 Interior Sensor
- 1 Wall Mount Bracket
- 5' Wiring Harness

Options for Improved Visibility:

- Add additional Exterior Sensor
- Add additional Interior Sensor
- Add an Exterior Audible Alert
- Add an Interior Audible Alert
- Add on the Wall Burst feature (Available on any yellow box style)



Interior Sensor



Exterior Sensors

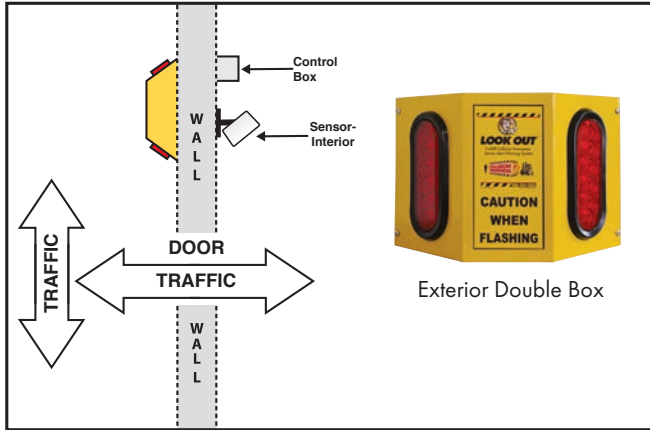


Interior Audible



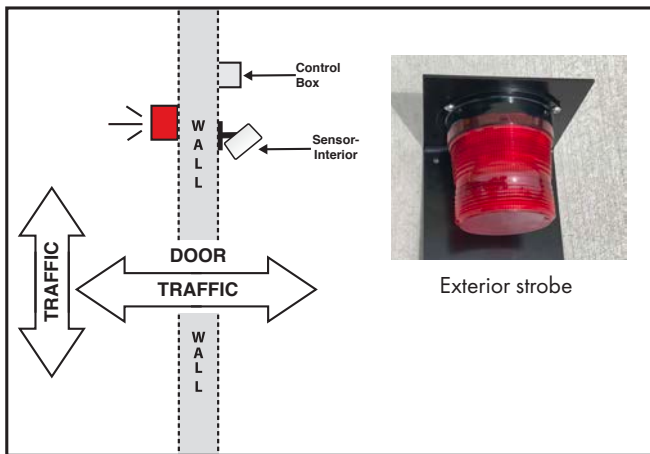
Wall Burst

DUAL USE 13 EXT-DOD



- DOD Exterior Box with two large red lights, Control Box, and Wall Mount Bracket
- Interior Sensor
- Wall Mount Bracket
- 5' Wiring Harness

DUAL USE 14 EXT-STB



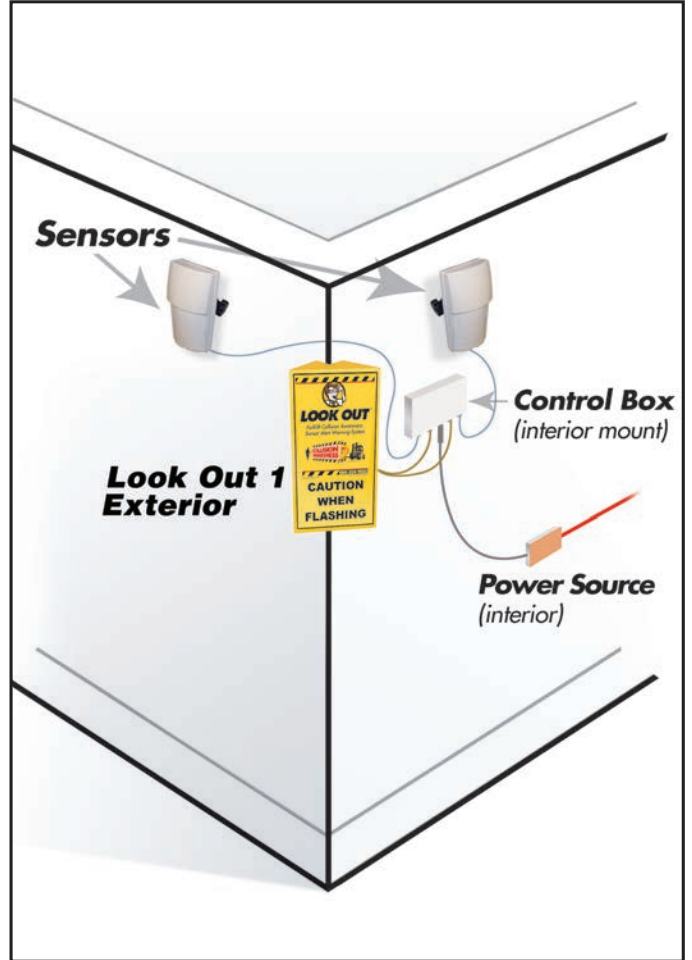
- Red Strobe, Control Box, and Wall Mount Bracket
- Interior Sensor
- Wall Mount Bracket

Options for Improved Visibility:

- Add Exterior Audible Alert
- Add Additional Interior Sensor



LOOK OUT 1 EXTERIOR



Control Box

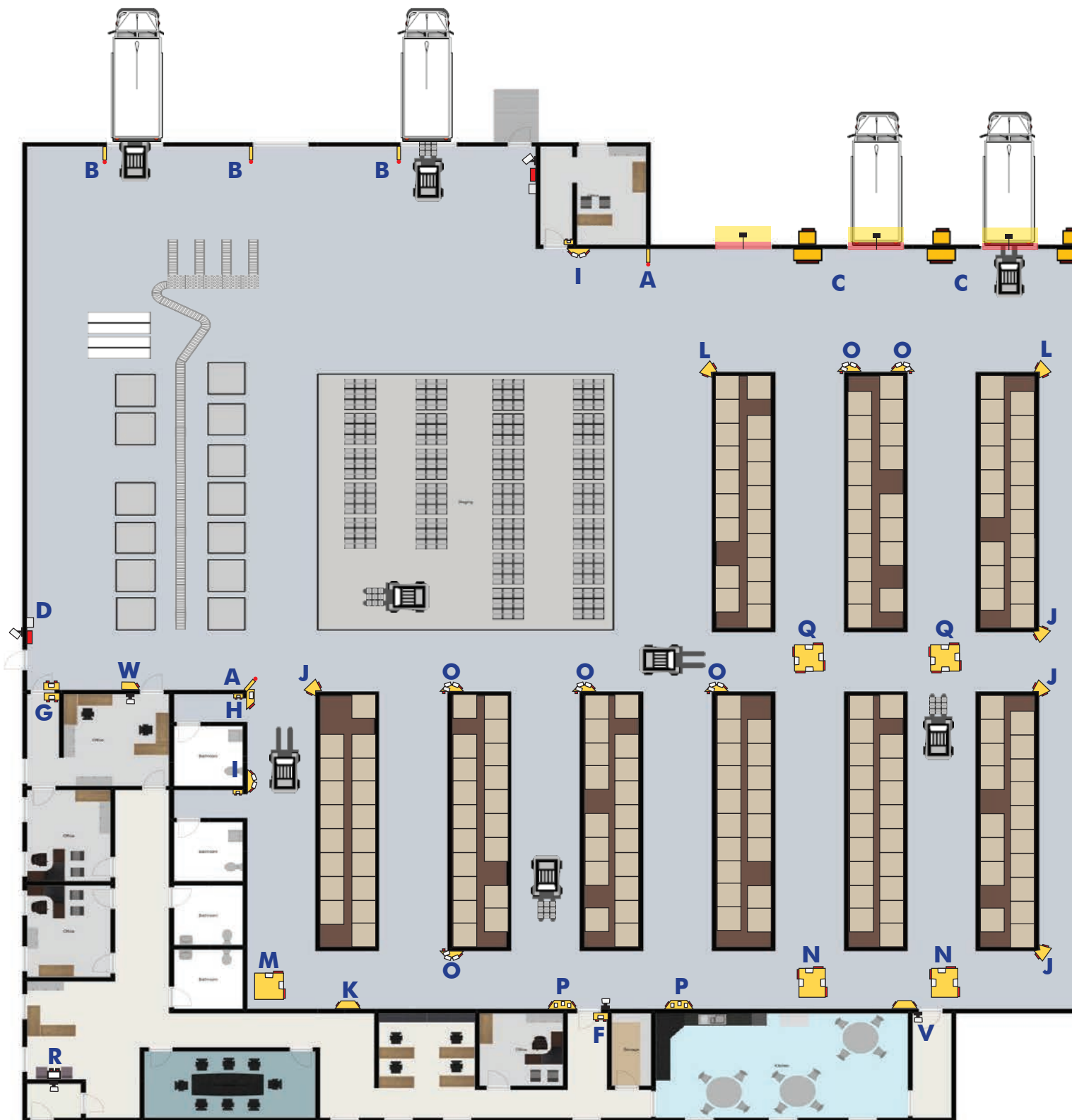


Exterior Sensors

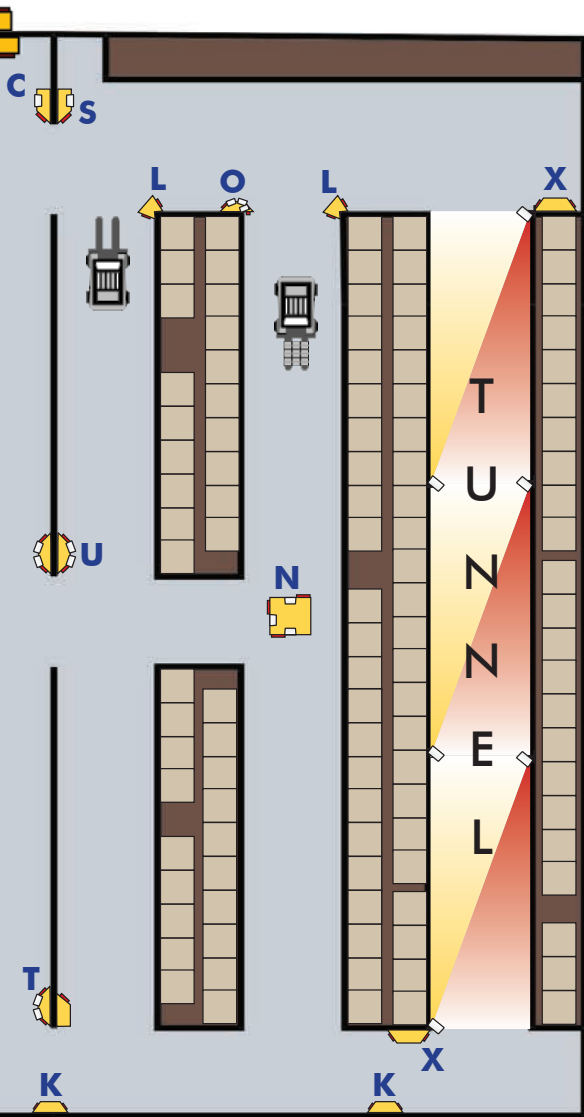
- Powder coated stainless steel box for durability
- 15' Power cord recommended.

**21
LED
Lights!**

TYPICAL WAREHOUSE APPLICATIONS



NEW IMMINENT DANGER FEATURE STANDARD ON ALL MODELS WITH AUDIBLE!



- A** Area Monitor (pg. 6)
- B** Dock Door Monitor (pg. 16)
- C** Dock Alert and Impact Warning (pg. 14-15) – Up To 4
- D** Dual Use 1 (pg. 18) – Indoor-Outdoor
- E** Economy Strobe (pg. 6)
- F** Hall Door Basic (pg. 7)
- G** Hall Door Monitor 2 (pg. 12)
- H** Hall Door Monitor 3 (pg. 12)
- I** Hall Door Monitor 4 (pg. 12)
- J** Look Out 1 (pg. 8)
- K** Look Out 1 Wall (pg. 8)
- L** Look Out 2 (pg. 8)
- M** Look Out 2 XL (pg. 10)
- N** Look Out 3 (pg. 10)
- O** Look Out 3 Rack – Left- or Right-Hand Mount (pg. 9)
- P** Look Out 3 Wall (pg. 9)
- Q** Look Out 4 (pg. 10)
- R** Office Door Basic (pg. 7)
- S** Overhead Door 2 (pg. 13)
- T** Overhead Door 3 (pg. 13)
- U** Overhead Door 4 (pg. 13)
- V** Overhead Door Basic – Double (pg. 7)
- W** Overhead Door Basic – Single (pg. 7)
- X** Tunnel Application (100' example shown)

- Avoid Forklift Accidents
- Alert Workers & Pedestrians
- Warehouse, Yard and Office Applications
- Reduce Liabilities
- Increase Up Time











Let pedestrians and operators know if someone is just around the corner with our New **LOOK-OUT™**

LEADERS OF INTERSECTION PROTECTION

Outstanding Features

- **Made In America**
- Alerts pedestrians of approaching traffic
- Light activated sensors let you know you're detected, giving you peace of mind
- Significant loss prevention benefits
- Great for hearing impaired employees
- Light flash patterns safe for those with epilepsy
- **Newly designed flash patterns to reduce alerts, known as Imminent Danger**
- Option for audible alert for indoor or outdoor applications
- **Optional floor or wall burst**
- **Can be used in washdown, freezer and outdoor applications**
- Applications such as wash down environments
- All sensors can be rotated up, down, left, and right for better detection
- Options for direct wiring via conduit
- All models low voltage
- LED lights have 100,000 hour warranty
- All models ship UPS
- The only manufacturer with remote mounting for sensors
- No sensor calibration required
- No batteries to replace
- No expensive microwave sensors
- Nothing attaches to your fork truck
- Mounts up and out of the way
- **Ability to set flash timing for 6, 15, or 30 seconds**
- **Ability to turn off audible**
- Standard sensors work with 14°F - 131°F temperature range
- Exterior sensors work with -40°F - 122°F temperature range
- **Up to 10 year extended warranty available**
- **Ships worldwide**

Product Dimensions

							
NEMA Enclosures Available							
Height without sensors	4"	8"	10"	10"	10"	18"	11"
Height with sensors	N/A (remote)	14"	16"	16"	16"	24"	16"
Width	6"	6"	10"	14"	5"	5"	16"
Depth	2"	4"	5"	5"	5"	5"	15"

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