



COLLISION ALERT SENSORS

LOOK OUT™

LEADERS OF INTERSECTION PROTECTION



MADE in the U.S.A.



**Alert Employees Of
Dangerous Collisions
Before They Occur**

Australia Wide Sales & Service

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MATERIALS
Handling PTY LTD *working with ease.*



KEEP YOUR WORKFORCE PROTECTED!

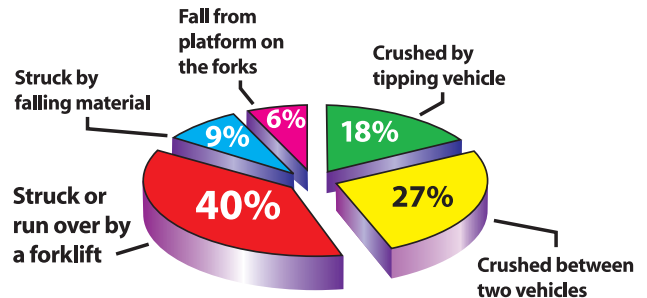
Our goal is to help your employees avoid accidents and reduce your exposure to liabilities.

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

Many forklift fatalities are caused by an individual being struck or run over by a forklift. Most of these accidents and fatalities can be avoided by warning pedestrians and operators of approaching danger.

Our 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.

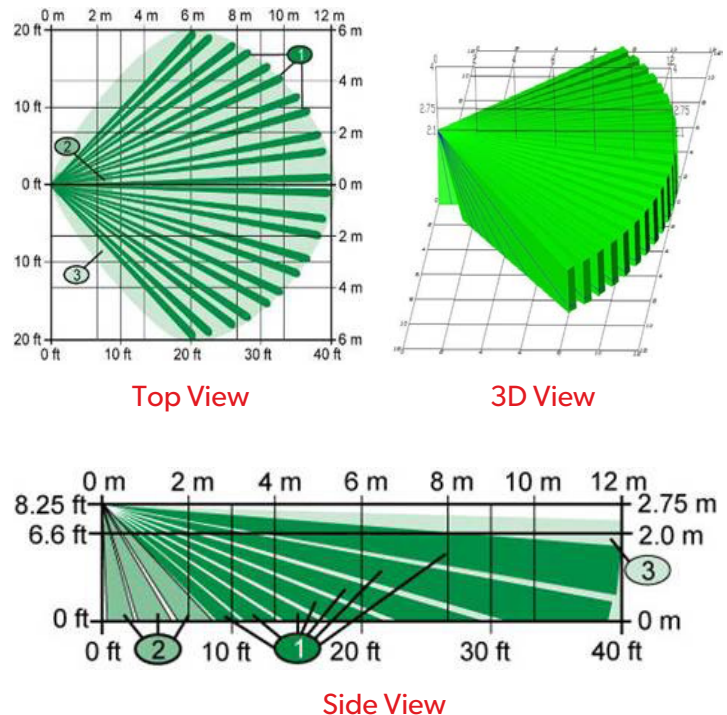


By creating awareness to a possible danger, you reduce the risk of damage, injury and death. Reducing risk should reduce your liability and exposure to workman's compensation claims, and increase employee morale as they see the company efforts to provide a safe workplace.

STATE-OF-THE-ART MOTION SENSORS



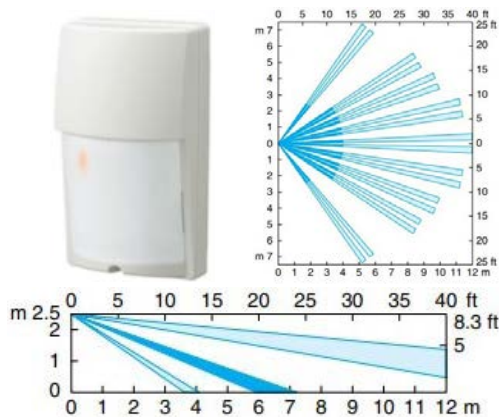
Collision Awareness chooses Bosch sensors as the standard sensor for the standard package offerings. The quality and reputation of Bosch continues to place us as the leaders of Intersection Protection. This upgrade improves the field of detection and reduces false alerts. Includes a blue sensor indicator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



APPLICATION SPECIFIC SENSORS

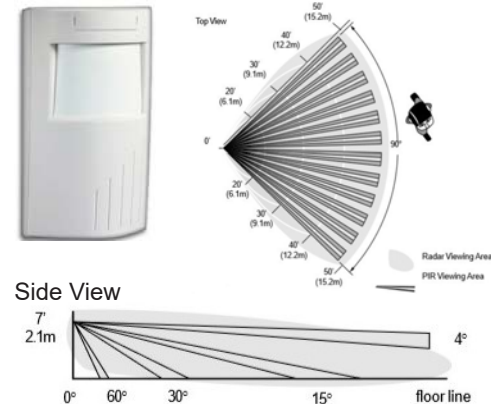
(AT AN ADDITIONAL COST)

EXTERIOR SENSOR



- Coverage: 12m x 12m
- Temperature range: -40°C up to 50°C
- 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: 15m x 90°
- Temperature range: 32°F – 122°F
- Selectable range up to 15m
- 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 20m, 40m, and up to maximum distance of 60m between sensors
- Temperature range: -31°C up to 50°C
- Utilizes infrared beam disruption detection
- Used in our Fit Packages 1, 2, and 3 for alerting drivers to overhead obstacles



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 signals strength and sensitivity, this sensor is perfectly fit for both indoor and outdoor applications.

STANDARD POWER SUPPLY CORDS

Suggested length based on application:

- Wall mounted – 5m
- Rack mounted – 7.5m
- Ceiling hung – 15 - 30m
- Power supply has a 1 amp draw



Power Supply (pictured)

A power supply is supplied with each unit. This is plugged into a standard power outlet. The round connector is connected to the enclosure and cabling links to the other enclosures and sensors.

BASIC MODELS

CONSIDER THE BASICS

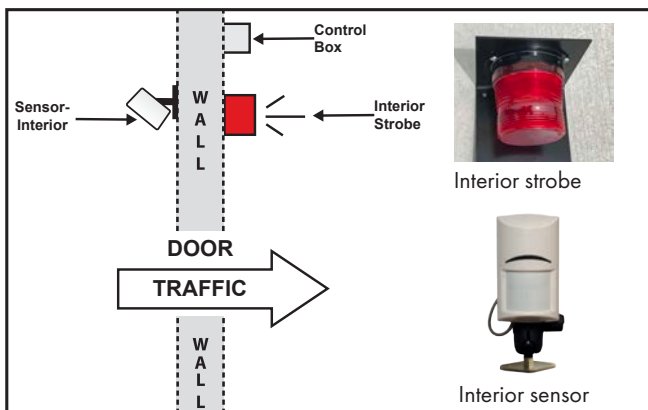
**Detect on one side,
alert on the other side**

Choose from the
following six basic
models



Featured: Hall Door Basic

ECONOMY STROBE

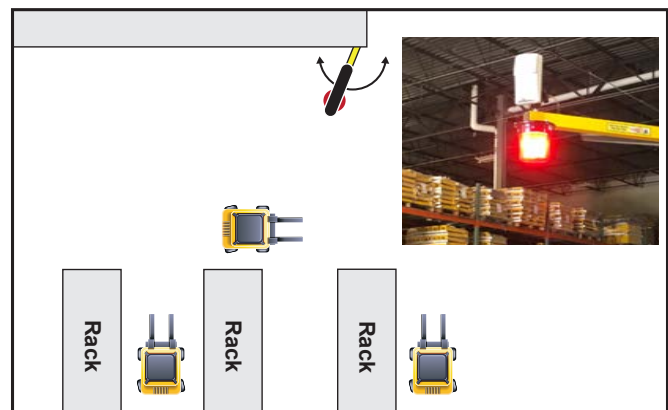


An inexpensive and economical way to detect in one direction and alert with a bright red strobe

Includes:

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

AREA MONITOR



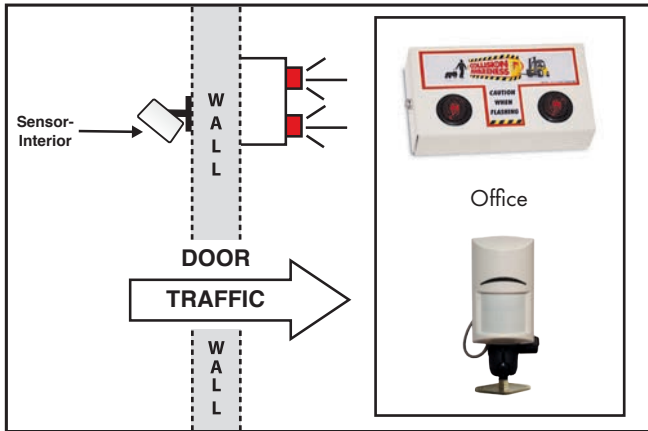
Mount in an area where there are no defined traffic lanes and rotate towards traffic as patterns change.

Includes:

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

BASIC MODELS

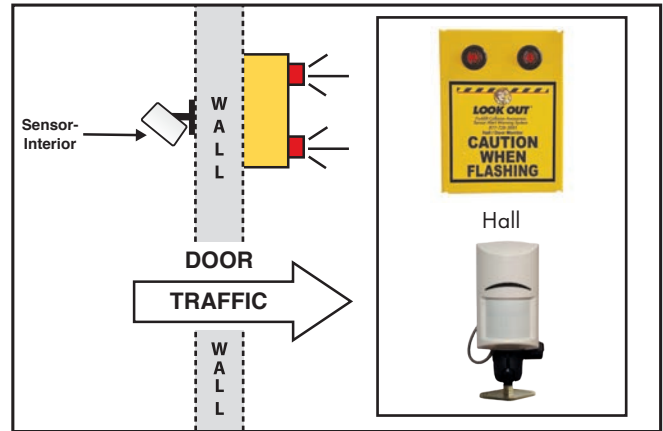
OFFICE DOOR BASIC



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

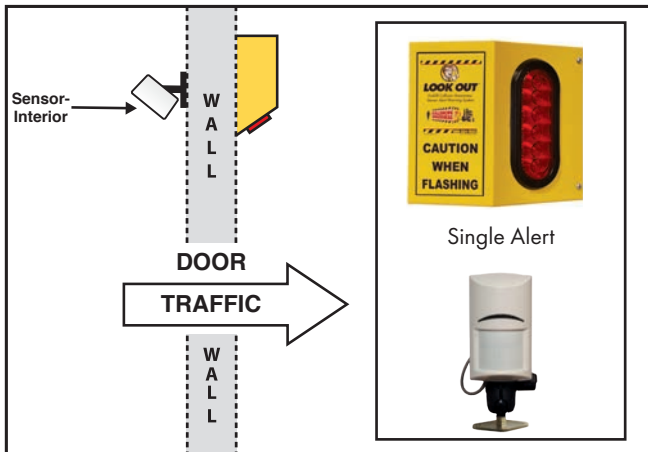
HALL DOOR BASIC



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

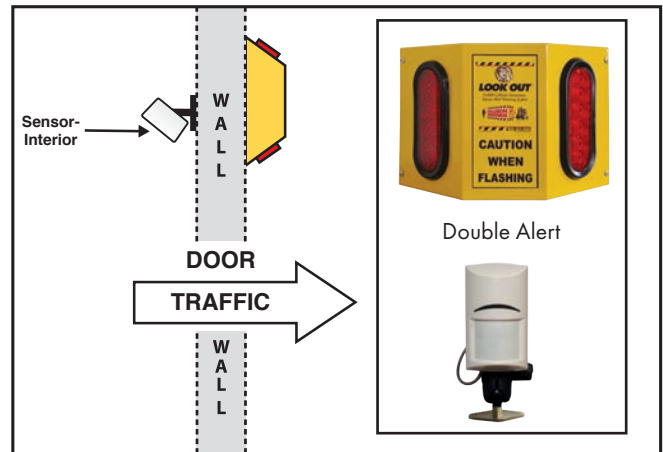
OVERHEAD DOOR BASIC—SINGLE



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

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

Options for Improved Visibility:

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



Interior Sensor Interior Audible Wall Burst

2-WAY INTERSECTIONS

FOR TYPICAL FORKLIFT TRAFFIC ALERTS

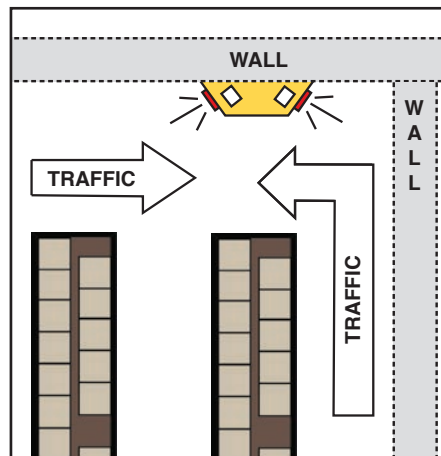
Each sensor alerts the opposite corner and both sensors can be activated simultaneously. Units include mounting hardware and can be installed in minutes.

LOOK OUT 1



- End of rack aisles
- Wall mount for end of aisle obstructions
- Uses a single set of flashing LED lights

LOOK OUT 1 WALL

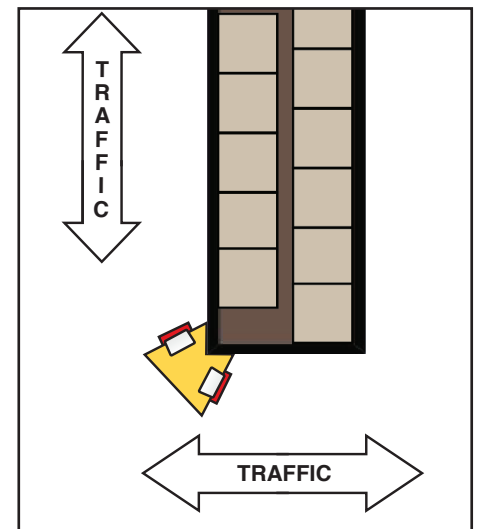


- Mount to wall opposite of end of rack aisles
- Uses a set of 2 small flashing LED lights

LOOK OUT 2



- An additional set of lights that alternate when activated



Options for Improved Visibility:

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



Interior Audible

Wall Burst

3-WAY INTERSECTIONS

LOOK OUT 3 CORNER



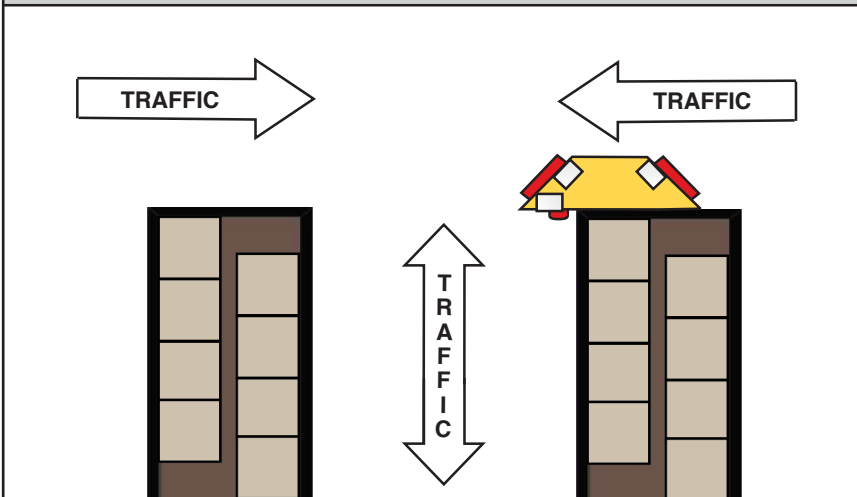
Front view



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

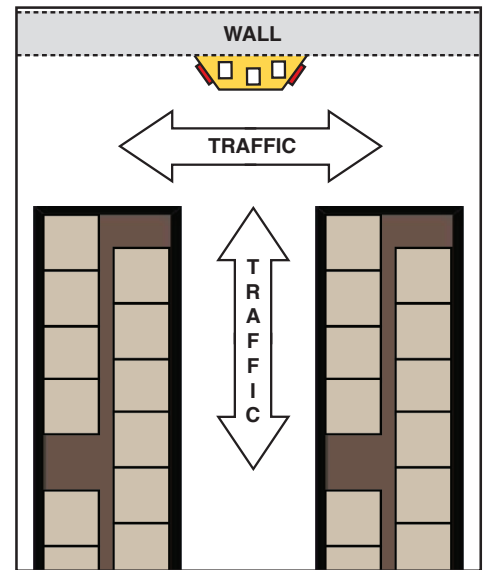
Detect traffic from 3 directions and alert in 3 directions



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



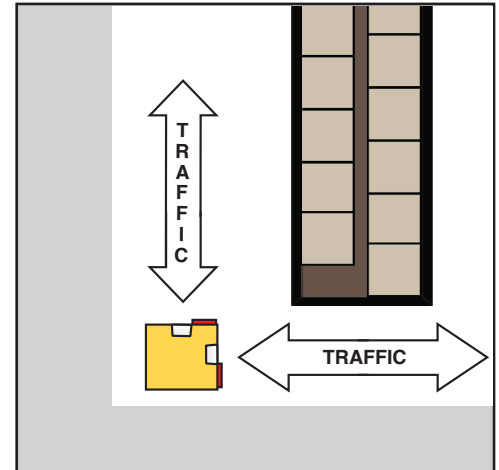
Wall Burst

2, 3, AND 4-WAY INTERSECTIONS

LOOK OUT 2 XL



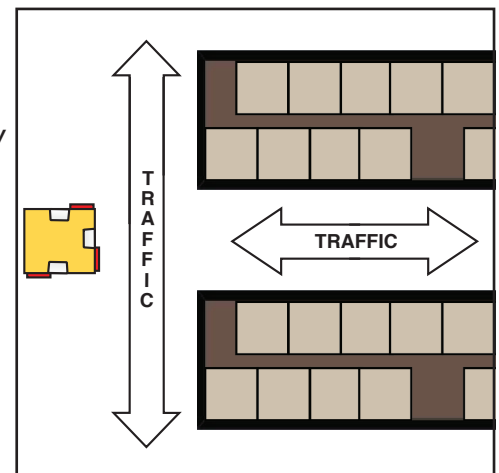
- 2 lights, 2 sensors
- Provides coverage for traffic around corners.
- Sensor range is 10m away and 12m wide, providing adequate distance to stop a fork truck traveling at safe speeds.
- Add-ons for an audible alarm and floor burst light (red or blue) are available.
- Unit activates when both sensors detect motion.



LOOK OUT 3



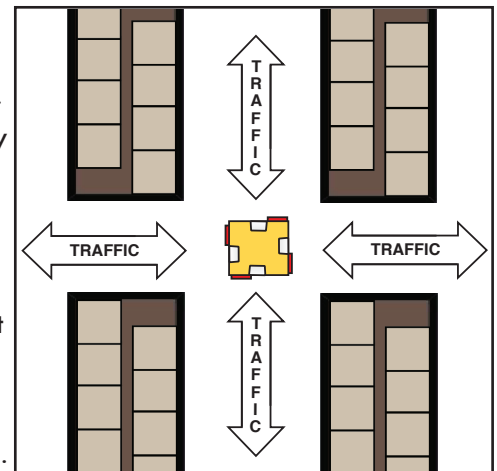
- 3 lights, 3 sensors
- Provides coverage for 3-way traffic intersections.
- Sensor range is 10m away and 12m wide, providing adequate distance to stop a fork truck traveling at safe speeds.
- Add-ons for an audible alarm and floor burst light (red or blue) are available.
- Unit activates when any two sensors detect motion.



LOOK OUT 4



- 4 lights, 4 sensors
- Provides coverage for 4-way traffic intersections.
- Sensor range is 10m away and 12m wide, providing adequate distance to stop a fork truck traveling at safe speeds.
- Add-ons for an audible alarm and floor burst light (red or blue) are available.
- Unit activates when any two sensors detect motion.

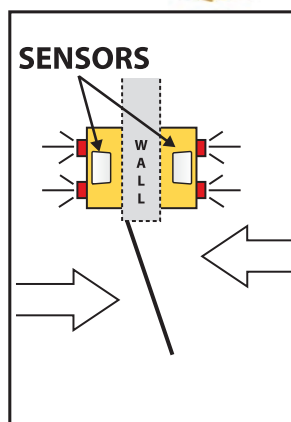


STANDARD INTERIOR DOOR MODELS

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.

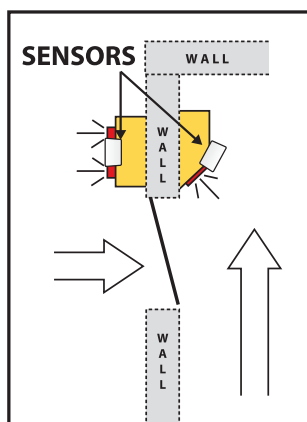
The sets of **HALL DOOR MONITORS** below illustrate the options available.

HALL DOOR MONITOR 2



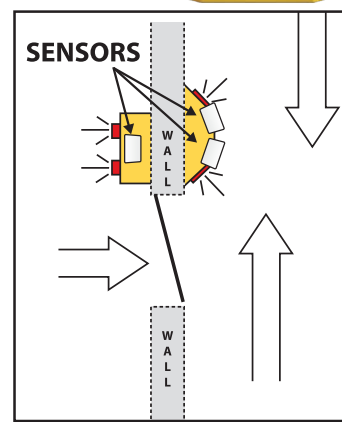
- Includes:**
- Two Interior Alerting Boxes, both with two small red lights
 - Two Interior Sensors
 - Wiring Harness

HALL DOOR MONITOR 3



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

Options for Improved Visibility:

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



Interior Audible



Wall Burst



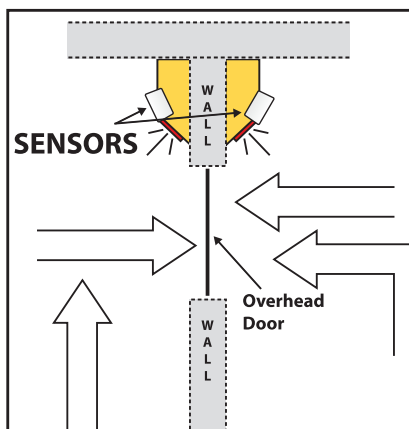
Featured: Hall Door Monitor 2

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.

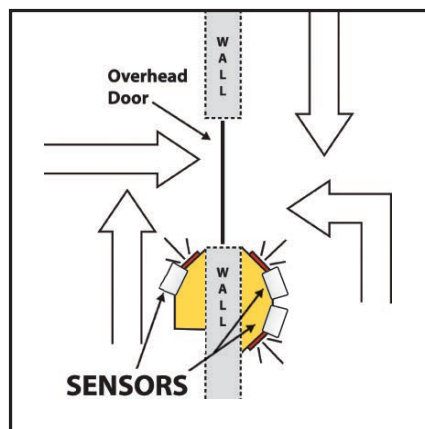
OVERHEAD DOOR 2



Includes:

- Two OHD Boxes, both with one large red light
- Two Interior Sensors
- Wiring Harness

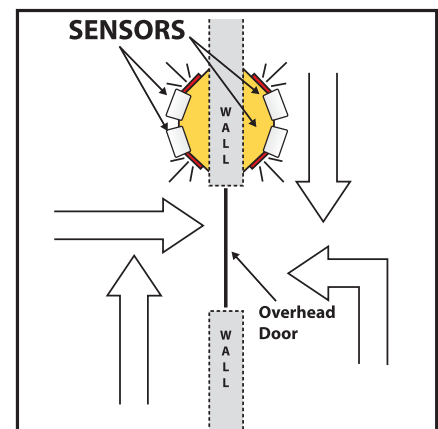
OVERHEAD DOOR 3



Includes:

- OHD Box with one large red light
- DOD Box with two large red lights
- Three Interior Sensors
- Wiring Harness

OVERHEAD DOOR 4



Includes:

- Two DOD Boxes, both with two large red lights
- Four Interior Sensors
- Wiring Harness



GREAT FOR:

- Expensive high speed doors
- Strip doors



Featured: Overhead Door 2