

Stop Forklift Accidents *Before They Occur!*



WATCHMAN
COLLISION AVOIDANCE SYSTEM

 **ALVARADO**

protecting assets and controlling the flow of people

There are an estimated 68,000 forklift accidents each year. These accidents injure 90,000 workers, disrupt operations, create workers compensation claims and cause property damage costing companies millions of dollars.

Many of these accidents are caused by collisions between forklifts and overhead equipment such as doors, canopies, walls, sprinklers, pipes, ducts and other fixtures.

Now, you can drastically reduce costly repairs and injuries caused by these accidents with the patented* **WATCHMAN COLLISION AVOIDANCE SYSTEM.**

The **WATCHMAN** serves as a visual and audio deterrent that warns fork truck drivers and management of potential collisions between forklifts and fixtures before they happen.



HOW IT WORKS

The **WATCHMAN** installs in front of overhead doors, racking or virtually any fixture in a factory or warehouse.

Impact with the **WATCHMAN** tube triggers a loud alarm and flashing red lights. This warns the driver to immediately STOP and alerts management of the incident.

▲ The versatile **WATCHMAN** can be used to protect racking, canopies, lifts, walls, sprinklers, conveyors, and virtually any overhead or raised fixture.

FEATURES

*US PAT#: 6,172,604

Activation

Red lights and 105 decibel alarm activate on impact for either 4 or 8 seconds (user selectable).

Safety Yellow Tubing

Safety yellow ABS tubing resists fading and cracking.

Battery Power

The **WATCHMAN** uses standard alkaline batteries. Batteries will normally last 2 years in normal operation. Changing batteries is quick and easy.

AC Powered Option

The **WATCHMAN** can be operated with a standard 115VAC power supply.

Easy to Install

WATCHMAN tubes come pre assembled with eye bolts. Units are hung from above using aircraft cable, not supplied.

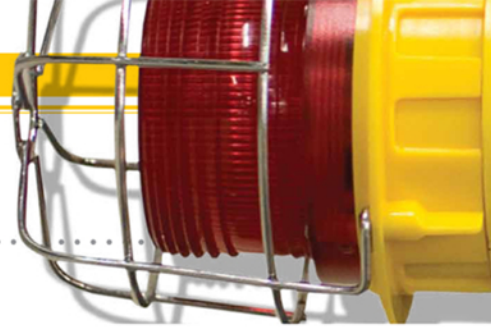
Remote Notification

The **WATCHMAN** provides a dry contact output. Upon impact this output can activate another device such as an external light or alarm.

Available Lengths

The **WATCHMAN** is available in lengths of 8' and 10'.





Ordering & Part numbers

BATTERY POWERED UNITS

Part No.	Product Description
WM-0808B	8' Length
WM-0810B	10' Length

AC POWERED UNITS

Part No.	Product Description
WM-0808	8' Length
WM-0810	10' Length



◀ The total cost of this accident (including repairs, lost time and liability) was in excess of \$30,000. It could have been avoided with the **WATCHMAN**.

Options

DRY CONTACT OUTPUT

WM10-1033	Dry Contact Output Wire Harness
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Note: Order our 10-1033 harness if dry contact output will be used. Harness includes 50' of 24 AWG wire with pigtail ends for dry contact signal. Additional wire can be added in the field depending on the requirements of your device.



▲ **WATCHMAN** can be used to protect overhead doors.



◀ **WATCHMAN** can also be used to protect overhead conveyors and racking - and quickly pays for itself.

FAQ - WATCHMAN

1. Is the tube going to crack?

No, the **WATCHMAN** tube is made from ABS plastic, which is much more durable than PVC.

2. Can I hear the alarm in the shop office?

Yes ... the **WATCHMAN** alarm sound level is 105 decibels. To put this in context, the noise level of a chain saw is 100 decibels.

3. How long will the batteries last?

Fresh alkaline batteries will operate the **WATCHMAN** up to 2 years in normal operation.

4. How hard is it to change the batteries?

It's really easy. Undo one screw, remove the battery end and battery pack, replace the batteries, slide on the end, and reinsert the screw. The **WATCHMAN** does not have to be taken down and the entire process takes only minutes.

5. How will I know when the batteries need to be changed?

The **WATCHMAN** will "chirp", similar to a smoke detector, when the batteries need to be changed.

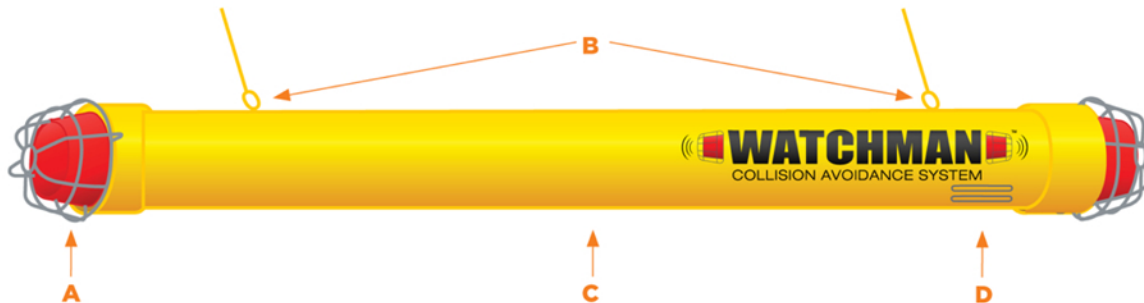
6. Can the **WATCHMAN** output a dry contact on alarm?

Yes, a normally open (N/O) dry contact relay can be provided.

7. What is the warranty?

The **WATCHMAN** is warranted for one year and is manufactured by Alvarado Mfg. Co., which has been in business for over 50 years. Recent improvements to the **WATCHMAN** include:

- Virtually crack resistant ABS tube material
- Impact resistant circuitry and wiring
- Much longer battery life
- Easy battery changing
- Dry contact output on activation
- Greater temperature operation range
- Can be weatherized for outdoor use



A FLASHING LIGHTS WITH PROTECTIVE GUARDS

B CEILING MOUNT CABLE CONNECTIONS

C IMPACT RESISTANT SAFETY YELLOW ABS TUBING

D HIGHLY AUDIBLE ALARM

LISTEN TO WHAT OUR CUSTOMERS SAY

"I've been looking for a product like this for years."

- Tim J. Safety Director

"I am pleased with the ease of installation and performance of the Watchman."

- Roger S. Operations Manager

"After just a few months the Watchman's have already paid for themselves."

- Jessica P. Safety Director

"The Watchman is the best investment in safety we could have made in our distribution warehouse."

- Raymond E. Director of Safety

Watchman - PBR3508R2-0

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