

Alert Workers and Drivers to Work Zone Intrusion



The SonoBlaster[®] Work Zone Intrusion Alarm is an impact and tilt activated safety device that warns roadway workers and errant vehicle drivers simultaneously to help prevent crashes, injuries and fatalities in our nation's roadway work zones and other locations.

The NCHRP 350 accepted SonoBlaster[®] mounts on typical work zone barricades, cones, drums, delineators, A-frames and other barriers. Upon impact by an errant vehicle, the SonoBlaster's built-in CO₂ powered horn blasts at 125 dB (for about 15 seconds) to signal workers that their protective zone has been violated, allowing them critical reaction time to move out of harms way. The SonoBlaster's loud alarm can also alert distracted or drowsing drivers, allowing them to steer clear of the work zone or brake prior to reaching workers or equipment. Distracted drivers are a major cause of work zone crashes.

Often only a soft plastic cone separates workers from danger. Over the last five years, the number of persons killed per year in motor vehicle crashes has risen to an average of 1,020 fatalities with 53,000 annual injuries. Many work zone crashes occur when cars and trucks silently drift into roadwork zones, collapsing safety barriers without making enough noise to alert workers of oncoming danger.

How the SonoBlaster[®] Works

- Alerts BOTH workers and errant drivers
- Pinpoints the source of oncoming danger
- Requires no electrical power
- Mounts as easily as a flasher
- Affordable, light-weight, long-life units
- Work zone friendly: workers can move equipment between units without creating false alarms
- Alarm units mount to traffic cones or barricades
- Each unit operates independently

New Technology Activation

- Activation: impact or tilting
- When activated, alarm sounds at 125 dB for 15 seconds
- Powered by safe, reliable CO₂ cartridges
- Critical alignment not needed as in beam-type devices
- Tilt activation: unit deploys when tilted 70-90 degrees
- Stable: resistant to normal roadway harmonics and vibration
- No receiver units required
- Holds multiple U.S. patents

Work Zone Use

The SonoBlaster[®] unit is mounted on work zone safety devices and cocked using a simple keychain tool. The unit is then placed on the roadway while in "Safe" mode. The control knob is then rotated from "Safe" to "Ready" position. The unit is then "Armed" and ready to protect the work zone.

Multiple units (15-25) are recommended alongside work zones and their approaches.

Injuries within work zones involving workers harmed by their own equipment are a growing problem. SonoBlaster[®] audibly pinpoints the source of danger by warning workers when heavy equipment enters their "Safe" area.



Applications

- Patching/Pothole Repair
- Breakdown Lanes
- Tree Trimming/Mowing
- Street Utility Work
- Pedestrian Crossings
- Police/Fire Stations
- Hazmat Scenes
- Signal/Light/Sign Repair
- Sweeping & Cleaning
- Equipment Unloading
- Runway Crews
- Military Operations
- Survey Crews
- Construction Zones
- Maintenance Areas
- Flagger Protection
- Striping and Marking
- Site Inspection/Repair
- Paving and Grading
- Intra-Work Zones
- RR Grade Crossings
- Water Main Breaks
- Rescue Operations
- Homeland Security

SonoBlaster Specifications

- Alarm: Duration is 15 Seconds
- Level: 125 dB @ 6 feet
- Rugged: High-impact visible yellow body
- Angle of Activation: 70 to 90 degrees
- Integral: Pressure relief valve
- Universal: Barricade light-type mounting
- Onboard: Control knob
(for 'safe' and 'ready' status)
- Unit Size: 7.25" wide by 6" high by 2" deep
Weight: 2 lbs. (1kg)
- Unit Operating Temperature: 0° to +110°F (-18° to +43°C)
- CO₂ Cartridge Size: 16 grams
- Cartridge Temperature Range: -30° to +120°F (-34° to +49°C)



Specifications are approximate and subject to change without notice.

Easily Attaches to:

- Traffic Cones
- Barrels and Drums
- Delineators
- A-Frames
- Type III Barricades
- Security Fences



The SonoBlaster[®] Traffic Cone Mounting Bracket allows cones to stack on a work truck or for easy storage with SonoBlaster devices mounted in place.



SonoBlaster is an FHWA NCHRP 350 Category II accepted safety device (code WZ-131)

SonoBlaster is protected by U.S. Patents 6,075,450 & 6,357,382

Winner Better Roads Magazine "Top Product Award"