

## Alert Workers and Drivers to Work Area 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 UK roadway work areas and other locations.

Often only a soft plastic cone separates workers from danger. Current UK Statistics indicate that more than 1,500 people are killed or injured each year on the hard shoulder with as many as 10% of people who use their vehicles for work admitting falling asleep in the past 12 months according to a Green Flag Survey. With many crashes occurring when cars and trucks silently drift into road work areas, collapsing safety barriers without making enough noise to alert workers of oncoming danger.

The NCHRP 350 accepted SonoBlaster® mounts on typical work area barricades, cones, drums, delineators, A-frames and other barriers. Upon impact by an errant vehicle, the SonoBlaster's built-in CO<sub>2</sub> powered horn blasts at 125 dB (for about 15 seconds) to signal workers that their protective area 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 area or brake prior to reaching workers or equipment. Distracted drivers are a major cause of work area crashes.



**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 area 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 CO<sub>2</sub> 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 patents

The SonoBlaster® unit is mounted on work area 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 area.

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

Injuries within work areas 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.

# 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:** 00 to +1100F (-180 to +430C)
- ▶ **CO2 Cartridge Size:** 16 grams
- ▶ **Cartridge Temperature Range:** -300 to +1200F (-340 to +490C)



*Specifications are approximate and subject to change without notice.*

# Applications



- ▶ **Traffic Cones**
- ▶ **Barrels & 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.

- ▶ **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 Areas**
- ▶ **RR Grade Crossings**
- ▶ **Water Main Breaks**
- ▶ **Rescue Operations**
- ▶ **Homeland Security**



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

SonoBlaster is protected by Multiple Patents

Winner Better Roads Magazine “Top Product Award”

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