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Quick Reference Guide





BROADBAND BACKUP ALARMS

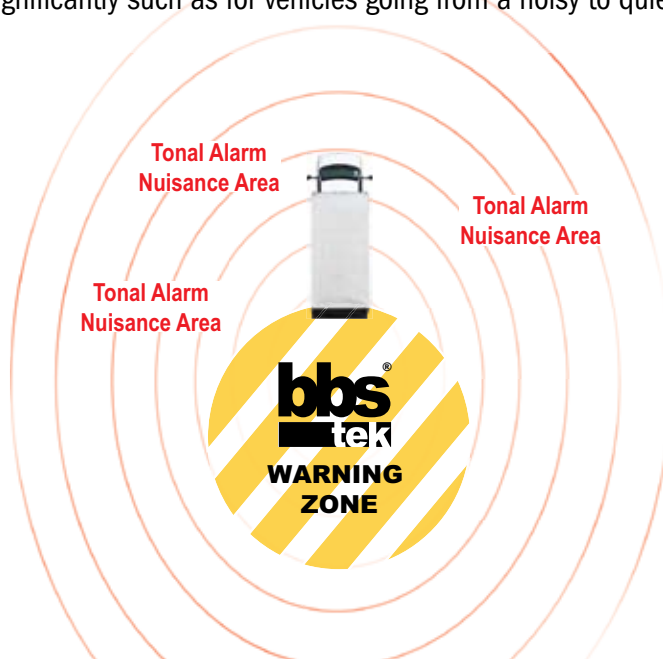
Introducing bbs-tek®, a sound solution in reversing safety

- Improves Safety
- Eliminates Noise Problems
- Reduces Risk of Hearing Damage

Back-up alarms are vital for vehicle safety, yet their very use can cause noise nuisance, irritating workers and neighbors, especially when used out of normal working hours.

The bbs-tek® alarm emits a unique “shh...shh...” sound which solves the problem. Its broadband sound is multi-frequency, replacing the narrow frequency band of tonal beepers. Its sound is instantly locatable so you immediately know which vehicle is reversing and where it is coming from; so it is much safer than conventional narrowband alarms. It is directional, concentrating the sound in the danger area so reducing noise nuisance. Broadband sound also dissipates more quickly beyond the danger zone, so it is much less of a nuisance to local residents and is less likely to be ignored by workers due to over exposure and “tuning-out” the warning sound.

Both standard and smart, self-adjusting bbs-tek® reversing alarms are available. Self adjusting alarms are ideal for areas where the ambient noise level may vary significantly such as for vehicles going from a noisy to quieter location, ensuring the warning is always heard.



New technology back-up alarms;

USACE advice: “The use of broadband back-up alarms can improve employee awareness and minimize “struck by” vehicle accidents ...

- Better source location identification
- Hazard area sound localization
- Audible through hearing protection
- Hearing loss friendly”

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HEAVY DUTY

SPECIFICATIONS

- Voltage: 12-24VDC
- Decibels: 102, 107 or 87-107 dBA
- Frequency: Multi KHZ
- Current: 1.0AMP
- Sounder Unit: Driver
- Size: 173mm W x 79mm H x 95mm D
- Hole Centers: 152mm
- Operating Temperature: -40°C to +85°C
- Vibration: 10G
- Mechanical Shock: 100G
- Polarity Protected: Yes
- Surge Protection: Yes
- Warranty: Lifetime



FEATURES:

- Tough, durable, guaranteed waterproof (IP68)
- Solid-state, spark-free electronics
- Epoxy sealed against mud, water & vibration

CONFORMS TO:

- SAE J994
- CE and 'e' marked (EMC)



PART #	DESCRIPTION
SY102BB	12-24VDC, 102 dBA
SY107BB	12-24VDC, 107 dBA
SY107BB-SA	12-24VDC, 87-107 dBA Self adjusting

MEDIUM DUTY

SPECIFICATIONS

- Voltage: 12-24VDC
- Decibels: 92, 97 or 77-97dBA
- Frequency: Multi KHZ
- Current: .5AMP
- Sounder Unit: Speaker
- Size: 127mm W x 65mm H x 76mm D
- Hole Centers: 98-108mm
- Operating Temperature: -40°C to +85°C
- Vibration: 10G
- Mechanical Shock: 100G
- Polarity Protected: Yes
- Surge Protection: Yes
- Warranty: Lifetime



FEATURES:

- Tough, durable, guaranteed waterproof (IP68)
- Solid-state, spark-free electronics
- Epoxy sealed against mud, water & vibration

CONFORMS TO:

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PART #	DESCRIPTION
SY92BB	12-24VDC, 92 dBA
SY97BB	12-24VDC, 97 dBA
SY97BB-SA	12-24VDC, 77-97 dBA Self adjusting

LIGHT DUTY

SPECIFICATIONS

- Voltage: 12-24VDC
- Decibels: 82 or 87 dBA
- Frequency: Multi KHZ
- Current: .5AMP
- Sounder Unit: Speaker
- Size: 91mm W x 55mm H x 45mm D
- Hole Centers: 76mm
- Operating Temperature: -40°C to +85°C
- Vibration: 10G
- Mechanical Shock: 100G
- Polarity Protected: Yes
- Surge Protection: Yes
- Warranty: Lifetime



FEATURES:

- Tough, durable, guaranteed waterproof (IP68)
- Solid-state, spark-free electronics
- Epoxy sealed against mud, water & vibration

CONFORMS TO:

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PART #	DESCRIPTION
SY82BB	12-24VDC, 82 dBA
SY87BB	12-24VDC, 87 dBA

HIGH VOLTAGE

SPECIFICATIONS

- Voltage: 36-80VDC
- Decibels: 87 or 97 dBA
- Frequency: Multi KHZ
- Current: .15AMP
- Sounder Unit: Speaker
- Size: 127mm W x 65mm H x 76mm D
- Hole Centers: 98-108mm
- Operating Temperature: -40°C to +85°C
- Vibration: 10G
- Mechanical Shock: 100G
- Polarity Protected: Yes
- Surge Protection: Yes
- Warranty: Lifetime



FEATURES:

- Tough, durable, guaranteed waterproof (IP68)
- Solid-state, spark-free electronics
- Epoxy sealed against mud, water & vibration

CONFORMS TO:

- SAE J994
- CE and 'e' marked (EMC)



PART #	DESCRIPTION
SY87BB-HV	36-80VDC, 87 dBA
SY97BB-HV	36-80VDC, 97 dBA

