

## More Commercial Vehicle Applications

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O.W.L. recommend the use of “talking” alarms because they are proven to be more effective than conventional beepers and electronic sounders. However O.W.L. will supply units programmed with whatever sound the purchaser specifies. All “talking” alarms may be programmed with a personalised message (e.g. including the name of the vehicle operator) if specified at time of order.

### **REVERSING ALARM** “ATTENTION...THIS VEHICLE IS REVERSING”

The alarm is directional and the warning message is only heard where it really matters - at the back of the reversing vehicle! Reversing alarms may be wired for automatic night-silent operation and a single Over-ride Unit is available to perform both day and night over-ride functions.

Of course if you still want a bleeper, the O.W.L. BackSounder is probably the best value model available.

### **DRIVER TRAPPED ALARM** “HELP DRIVER TRAPPED INSIDE VEHICLE”

Designed specifically for fitting to freezer vehicles and refrigerated cabinets. A panic button inside the cabinet triggers a message outside the vehicle.

### **ATTACK ALARM** “HELP...SECURITY VEHICLE UNDER ATTACK...CALL THE POLICE”

For use on cash-in-transit vehicles, buses and mobile libraries etc. May be triggered by internal alarm system or panic button. Gives a loud siren followed by an appropriate message.

### **STABILISER JACKS ALARM** “DO NOT DRIVE...JACKS LOWERED”

Avoids the problem of vehicle being driven away with jacks down, causing considerable damage to road surface and vehicle alike.

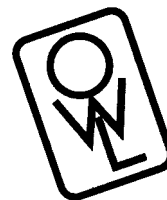
### **TAIL LIFT ALARM** “STAND CLEAR...TAIL LIFT IN OPERATION”

Another alarm prevents pedestrians being severely injured by vehicles reversing with the tail lift partially down. “DO NOT DRIVE...TAIL LIFT NOT STOWED”

### **ANTI-BRIDGE-BASHING ALARM**

A classic for tipper bodies, lorry loaders, crane jibs and extending platforms etc. The message may be personalised to the individual application e.g. “DO NOT DRIVE...TIPPER BODY RAISED”.

**If your application is not shown above please contact O.W.L. we specialise in specials!**



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## Handbrake Warning Sounder

These instructions cover the following products  
BMI-101-SS & BMI-103-SS without radio mute  
BMI-102-SS & BMI-104-SS with radio mute

The Handbrake Warning Sounder is suitable for direct installation on 12v/24volt vehicles.

### **NOTE:**

This product is a sounder only. Its operation is dependant upon correct installation to an existing warning system e.g. to replace a warning buzzer.

It may also be used in conjunction with relays connected both to the vehicle's handbrake warning (light) switch, and the interior light driver's door switch.

The unit should be connected so that the circuit to the warning sounder is only made when the handbrake is off and the driver's door is open.

### **WARNING:**

The warning message will stop sounding when the driver's door is closed even if the handbrake remains off.

An alternative complete handbrake warning system is available to provide increased protection. Quote part number BMH-100

**Please test the sounder** on a 12/24vdc battery or power supply before fitting to the vehicle.

Connect red to +ve and black to -ve. The message will sound as long as voltage is applied.

Whilst the message is sounding the green radio-mute wire (where included) will become -ve.

### Suggested wiring connections using relays appear opposite.

If the handbrake switch becomes negative when the handbrake is off, connect as in Fig 1.

If the handbrake switch becomes positive when the handbrake is off (and the ignition is on), connect as in Fig 2.

Connect a relay between the handbrake switch and the handbrake warning light.

Disconnect the ignition live supply from the handbrake and connect it to the relay as shown.

Connect the handbrake switch to the second relay and the control box as shown.

### Final Test Procedure

1. Start with the handbrake on and the driver's door closed. Take precautions to ensure that the vehicle will not move when the handbrake is released.
2. Release the handbrake - the warning message **should not sound**.
3. Open the driver's door - the warning message **should sound**.  
(The radio should silence if the radio mute is connected)
4. Apply the handbrake - the warning message **should stop**.

**This test procedure should be repeated during normal vehicle maintenance routines. Please be aware of the WARNING shown on the front page of these instructions.**

