We set the standard in safety

Handbrake message system

Reduce the risk of the bus driver leaving the handbrake disengaged

Ardent®

Previously known as **Forman**

Ardent's handbrake message system is designed specifically for buses and coaches easily integrating with our V-IS Information System. It is hardwired into the vehicle handbrake, automatically delivering audible alerts to the cab if the handbrake is left off while the vehicle doors are open.

This reduces the risk of the bus driver leaving the handbrake disengaged, which could result in the vehicle rolling.

What does our handbrake message system do?

The Ardent handbrake message system is a reliable and effective system that ensures vehicles are left safely and securely when the driver leaves the cab. The alarm is silenced when the driver correctly applies the handbrake.

Programmable delay
A time delay can be programmed, meaning there will be a delay between the door opening and the alert being played (if the handbrake is off).

Optional speaker
The system can be integrated with your existing cab speakers but can also be supplied as a full kit with its own speakers if needed.

Bespoke configurations available
With up to five inputs, the system can be supplied in a variety of configurations to be hardwired into alternative inputs, such as the driver's seat belt.

How does it work?

The unit is typically supplied with a handbrake warning unit, vehicle interface harness, seat position pad, and a speaker. It can be programmed to monitor the position of the handbrake and driver's seat switch, triggering a bespoke message to play if the handbrake is incorrectly applied.

It can also deliver bespoke alerts to passengers and pedestrians as required, for example: an automatic alert that the vehicle is reversing, triggered when the vehicle is put into reverse gear.

Key features

- Up to ive hard-wired inputs
- One or two speaker outputs
- Bespoke messages and sounds
- Bespoke responses to inputs
- 24V and 12V models available



Key technical specification

Connectors	x1 Type: AMP .070 series connectors, 12-way
Dimensions	Case: 122 x 82 x 34 mm Base plate: 120 x 105 mm
Power supply HB1 - 24V	18 - 30 VDC: Protected against reverse polarity and transients Current: 400 mA (playing a loud recording at full volume); below 70 mA when silent An external 1A fuse should be fitted
Power supply HB2 - 12 V	9 - 16 VDC. Protected against reverse polarity and transients. Current: 400 mA (playing a loud recording at full volume); below 70 mA when silent. An external 1A fuse should be fitted
Contact inputs	x5 Polarity: 4 x high-side switched or low side-switched
Speaker outputs	x1 Power: 1.1 W delivered to an 4 ohm speaker Volume configuration is set to 75 dB when standing 1 m from the speaker (this can be adjusted if required)
Front panel indicator HB2 - 12 V only	HB2 - 12 V only function: power indicator
Approvals	E-mark: E11 10R-047523

For the complete technical specification and operating instructions, please get in touch.

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To find out more or to explore how we can help you enhance the safety of your vehicles, contact our sales team on +44 (0) 1423 326 740

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