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Address **Armco Key Security Limited**
The Ross Building Innovation
Martlesham Adastral Park
IP5 3RE Ipswich, Northern Ireland

Country United Kingdom

PRODUCTS OR MACHINERY

The GlazeAlarm® is a piece of innovative technology with application within the glazing and security market. Installed within a double or triple glazed window during manufacture, the GlazeAlarm® is a wireless shock and relative humidity sensor which will notify the user immediately upon a breakage of the window.

The GlazeAlarm® is supported by a full range of home automation products; in its simplest form it will alert the user via telephone, smartphone, tablet or PC. This notification triggers a siren and external alarm, which is managed and monitored remotely by the user. Capable of integration with any existing home security system or as a stand-alone security solution, the GlazeAlarm® is the most robust and tamper-proof glass break solution in the market.

In addition to the security application, the GlazeAlarm® has applications in energy management and sustainability. The sensor constantly records data on the relative humidity within the window and can thereby periodically report on the efficiency of insulation within that window. Lastly the GlazeAlarm® also records data on internal temperature of the property, thereby enabling the user to optimise energy usage heating their home or commercial building. With construction companies being increasingly scrutinised on energy efficiency within large structural projects, there is a significant opportunity for the GlazeAlarm® to be applied in this industry area for both residential and commercial buildings. The GlazeAlarm® sensor can similarly be used as a way to monitor the integrity of windows in high-rise buildings where day-to-day visual checking of glazing is not feasible.

How it works:

The GlazeAlarm® sensor monitors shock as well as relative humidity and will wirelessly alert the control unit when the glass in the window is smashed. The touch-screen, hand-held control unit provides a user-friendly way to manage all aspects of the security system. An internet dialer sends all data from the control unit to the user's online account, including alarms, home status and energy efficiency readings. The user's personal online account is where the user is able to manage their home security and energy efficiency. The user is able to visualise where alarms are located and to manage a complete home automation package within this account. Comprehensive online management is also available via IOS and Android smartphone and tablet apps.

Company Profile of **Armco Key Security Limited**

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