

Impaq Glass Break

DIGITAL ACOUSTIC GLASS BREAK DETECTOR



The Texecom *Impaq Glass Break* provides reliable perimeter protection with unparalleled false alarm immunity. Digital signal processing ensures precise, accurate detection of breaking windows - and nothing else. For uncompromising performance with a host of user friendly features, insist on the *Impaq Glass Break*:

Outstanding features include:

- ✓ MICROPROCESSOR DESIGN
- ✓ QUAD FREQUENCY ANALYSIS
- ✓ 9m MAXIMUM RANGE
- ✓ ULTRA WIDE 170° DETECTION ANGLE
- ✓ LATCH & FIRST TO ALARM INPUTS
- ✓ DIGITAL FLEX DETECTION FOR IMPROVED FALSE ALARM IMMUNITY
- ✓ ADJUSTABLE SENSITIVITY
- ✓ TEST/VERIFICATION MODE
- ✓ FULL COMPLIANCE WITH EN 50130-4
- ✓ GLASS TYPE SELECTION:
PLATE/TEMPERED/LAMINATED/WIRED

Ask your distributor today for the new Texecom full colour Product Guide.

Texecom
www.texecom.com

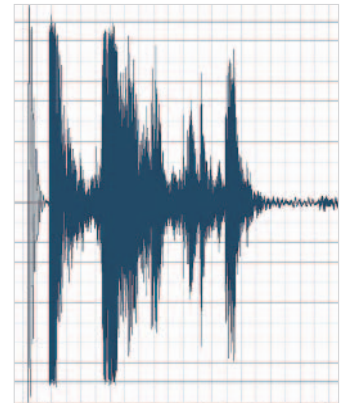
IMPAQ GLASS BREAK FEATURES

Digital Signal Analysis

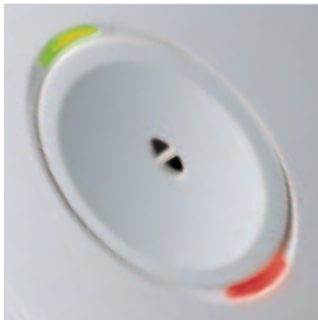
The *Impaq Glass Break* is an acoustic glass break detector designed to provide the earliest possible warning of a potential intruder by detecting the sound of breaking glass. An advanced microprocessor analyses signals digitally, processing information relating to the frequency, amplitude and timing of every sound. For maximum false alarm immunity four separate frequency bands are analysed (Quad Frequency Analysis). The *Impaq Glass Break* will only indicate an alarm if the signals exactly match those of a window being broken.

Digital Flex Detection

False alarm immunity is further enhanced by the use of Digital Flex Detection. This detects the low frequency pressure wave transmitted when a window is struck. An alarm signal will only be generated if a flex signal is detected, followed immediately by the shatter signal. This ensures common false alarm sources (e.g. a glass bottle breaking outside) are completely ignored.



Actual Glass Break Waveform



Acoustic Detection

Glass Type Selection

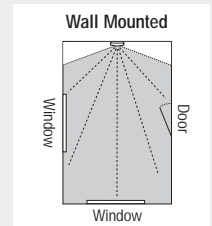
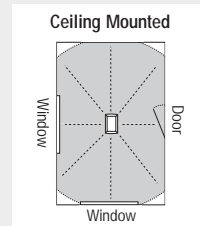
Different types of glass produce different acoustic responses when broken. The *Impaq Glass Break* features a selector switch which can be set to either Plate and Tempered or Laminated and Wired glass types.

Dual LED Indication

Dual green and red LEDs simplify set up and help reduce false alarms by indicating pre-alarm signals and providing confirmation that test mode has been initiated.

Enhanced Adjustable Coverage Pattern

The *Impaq Glass Break* can be mounted on walls, in corners or on ceilings for maximum flexibility. With a coverage angle of 170° at distances of up to 9m, protecting several windows with one detector is fast and straight forward. Sensitivity is fully adjustable allowing each detector to be optimised for its environment.



Slim, Low Profile Aesthetics

Specifications

Supply Voltage:	9 - 16Vdc
Current Consumption:	11mA typical
Alarm Relay Output:	Normally Closed, <24Vdc, 50mA, 18Ω
Dimensions:	87mm x 62mm x 26mm
Packed Weight:	70g
Sensor Type:	Extended Response Electret Microphone
Minimum Window Size:	300mm x 300mm
Glass Type Detection:	Plate, Tempered, Laminated, Wired
Glass Thickness:	2.4 - 6.4mm
Maximum Range:	9m, 170°
EMC:	Independently certified to EN50130-4 : 1996
RF Immunity:	No false alarms from 80MHz to 1GHz at 10V/m



Twin LED Indication

EUROPEAN STANDARDS

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 89/336/EEC (amended by 92/31/EEC and 93/68/EEC).

Approved to BS EN 55022 Class B and BS EN 50130-4 : 1996.

The CE mark indicates that this product complies with the European requirements for safety, health, environmental and customer protection.

Texecom products are protected by UK and International patents, trademarks and registered design rights. UK Registered Design No. 2105723.

© 2003 Texecom Limited.



Certificate Number: FM 35285



British Security Industry Association



IGB.EU.1