GLASS BREAK SENSOR

CE ⓒN1702 **GS-1100E**

> *Glass break sensor GS-1100E is an ultrasonic sensor designed to detect the sound of breaking glass such as plate glass windows, doors, showcases etc.*

EASY OPERATION CHECK

The alarm LED and the environmental LED are available for easy operation and environmental check.

ALARM MEMORY FUNCTION

When the unit has been activated the alarm LED(Red) will flash for 3 minutes, after which it will remain constantly lit for 47 minutes.
This will enable identification of triggered devices in a multiple use scenario.

EASY INSTALLATION

The protection area is 7m Max. vertically and 8m Max. horizontally（Variable range is 80˚ horizontally）.
A single unit can protect one or more plate glass windows, whieh makes easy installation and maintainance possible.
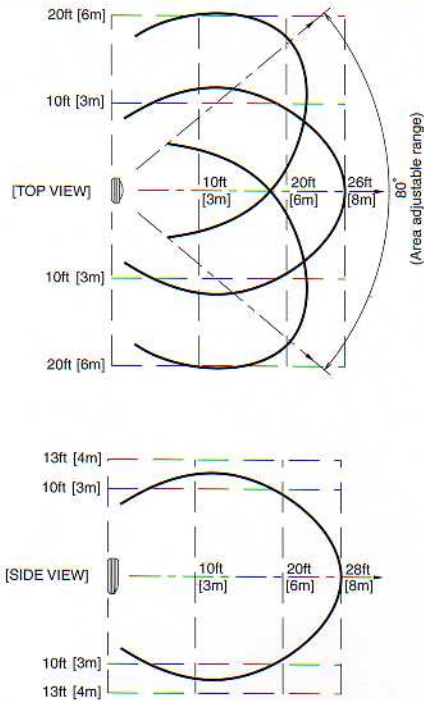
OTHER FEATURES

*Sensitivity adjustment volume
*Slim and compact（32.0mm thickness of unit）
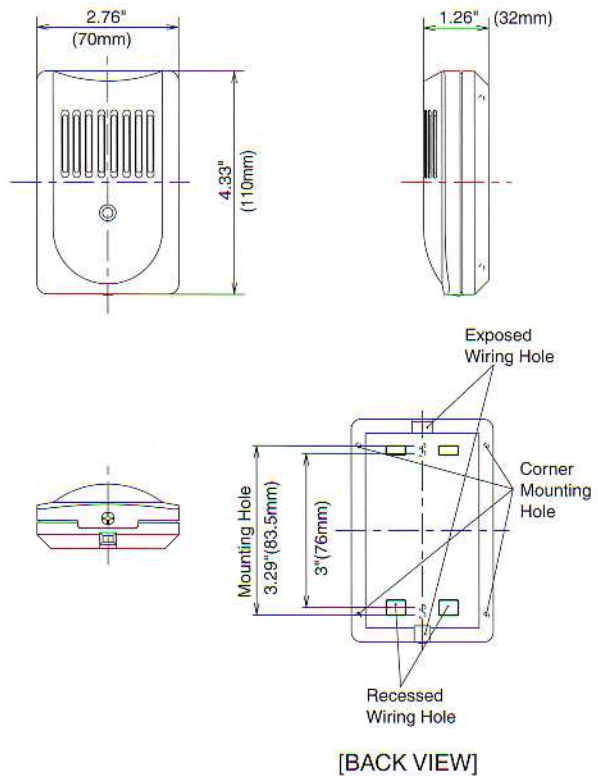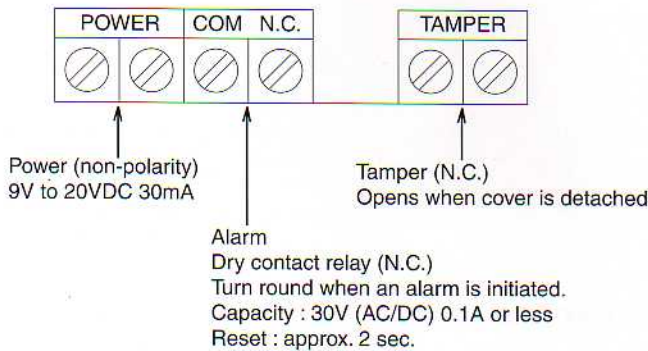*Glass checker EG-1000 is available（Optional）

GLASS BREAK SENSOR

■COVERAGE

[TOP VIEW]

20ft [6m]
10ft [3m]
10ft [3m]
20ft [6m]

10ft [3m] · 20ft [6m] · 26ft [8m]

80° (Area adjustable range)

[SIDE VIEW]

13ft [4m]
10ft [3m]
10ft [3m]
13ft [4m]

10ft [3m] · 20ft [6m] · 28ft [8m]

■EXTERNAL DIMENSIONS [Unit:inch(mm)]

2.76" (70mm)

4.33" (110mm)

1.26" (32mm)

Exposed Wiring Hole

Corner Mounting Hole

Mounting Hole

3.29" (83.5mm)

3" (76mm)

Recessed Wiring Hole

[BACK VIEW]

■TERMINAL ARRANGEMENT

POWER		COM	N.C.		TAMPER	
⊘	⊘	⊘	⊘		⊘	⊘

Power (non-polarity)
9V to 20VDC 30mA

Alarm
Dry contact relay (N.C.)
Turn round when an alarm is initiated.
Capacity : 30V (AC/DC) 0.1A or less
Reset : approx. 2 sec.

Tamper (N.C.)
Opens when cover is detached

■SPECIFICATIONS

Product name	GLASS BREAK SENSOR
Model	GS-1100E
Detection system	Ultrasonic microphone
Coverage	Horizontal : 8m max. Vertical : 7m max. (plate glass of 400 square cm or more, one side 20cm)
Angle adjustment	Horizontally ±40°
Power voltage	9V to 20V DC (non-polarity)
Current consumption	30mA or less
Alarm output	Dry contact relay N.C. Reset : Approx. 2 sec. 30V (AC/DC) 0.1A or less
Alarm LED	Red LED lights at alarm
Alarm memory	Alarm LED is flickering for 3 min., lighting for 47 min. and then automatically reset at detection.
Tamper signal	Dry contact N.C.
Environmental LED	Light at bad environments (at check mode)
Ambient temperature range	+ 14° F to + 122° F (− 10° C to + 50° C)
Mounting position	Indoor (wall)
Wiring	Terminals
Weight	3.86oz (120g)
Appearance	ABS resin (white)

This unit is designed to detect the sound given when glass is broken due to impact.
If glass is broken due to stress or other means this may not be detected.

Please Note : This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary or a crime preventing device. TAKEX is not responsible for damage, injury or losses caused by accident, theft, Acts of God (including inductive surge by lightning), abuse, misuse, abnormal usage, faulty installation or improper maintenance.

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