



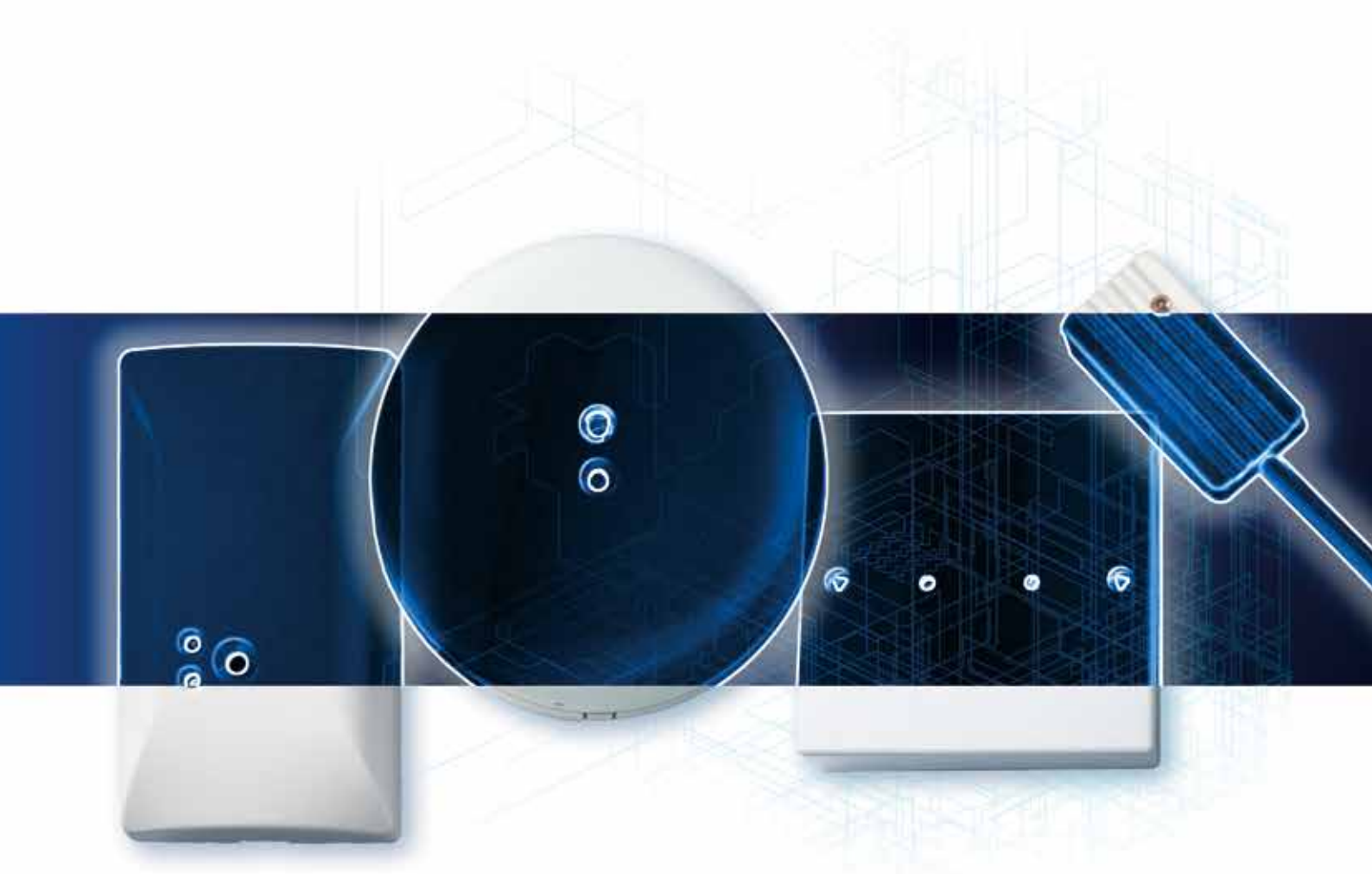
UTC Fire & Security

A United Technologies Company

Glassbreak sensors

Safety | **Security** | Certainty

Protecting your assets behind glass



The ideal solution for protecting your assets

Research indicates that in the majority of residential and small commercial intrusions glass is broken to facilitate gaining entry. In order to protect valuable assets, it is key to prevent intruders entering the premises. Unlike other detection sensors, such as magnetic contacts, glassbreak sensors are specifically designed to alarm in the first seconds of an attempted break-in. Therefore, it can be seen as complementing a full security solution.

Acoustic glassbreak solution

Acoustic glassbreak sensors use a microphone to listen for the sounds of breaking glass. Using unique pattern recognition technology, UTC acoustic sensors are designed to eliminate common false alarms and improve detection of framed glass breaks. It does this by "listening" for the unique sounds of glass breaking at numerous points across the entire frequency spectrum, not only at one or two points. This provides a maximum detection performance.

In order to fit a variety of applications, this technology is mainly used for walls and ceilings (residential, retail stores, educational stores... etc). Its unique pattern recognition provides a consistent glassbreak detection and false alarm rejection no matter where the sensor is located. UTC acoustic sensors rely on processing sounds to determine whether it is a glass break or false alarm. The complex set of algorithms that make the final decision analyzes all sounds. Furthermore any attempt to sabotage or tamper (spray, screwdriver...)

with the detection device will be recognized and generate an alarm. UTC acoustic sensors provide flexibility as they are able to detect up to a range of eight meters.

Major benefits

- Unique technology of pattern recognition eliminating false alarms
- Built-in 90 degree mounting allows the sensors to be easily mounted onto any frame
- Its easily accessible terminals help to speed up wire connections
- Flexibility for a wide range of applications: retail, residential





Glassbreak solution based on piezo-electric sensor

UTC has been leading the market in glassbreak sensors and is continuously looking to improve. This led to the extension of its range with a GS300 series of glassbreak sensors, based on Piezo technology.

With the evolution on glass manufacturing industry (i.e: laminated glass), additional ways of forcing entry through the windows have to be covered in higher security applications such as jewelry stores, banking, museums etc.

In case of any mechanical stress, produced by the breaking glass shock waves, piezo electric sensors produce an electrical response. These sensors filter out all unwanted signals that could cause any nuisance alarms, assuring excellent detection.

Suitable for use on standard window glass or plate glass, UTC glued-on glass sensors provide a 3-meter range of protection on a single pane.

Also, as with acoustic sensors, any attempt to sabotage or tamper (spray, screwdriver...) with the detection device will be recognized and generate an alarm.

Major benefits

- Proven performance thanks to anti-masking functionality and tamper security
- An elegant and unobtrusive housing design allows quick and easy installation using specialized adhesive and cleaning kit
- Certified to the latest standards including VdS Class IV
- Suitable for all major glass types








Available range of glassbreak detectors

Acoustic

	SKU	Description
	GS930	Standard ShatterPro 3 technology with "pattern recognition technology"
	5815NT R5815NT	Standard ShatterPro 3 technology with "pattern recognition technology"

Piezo

	SKU	Description
	GS300	Passive glassbreak detector – 2 m
	GS301	Passive glassbreak detector – 6 m
	GS302	Passive glassbreak detector – 20 m
	GS310	Passive glassbreak detector for laminated glass – 2 m
	GS311	Passive glassbreak detector for laminated glass – 6 m
	GS312	Passive glassbreak detector for laminated glass – 20 m
	GS320	Passive glassbreak detector with relay output – 2 m
	GS321	Passive glassbreak detector with relay output – 6 m
	GS322	Passive glassbreak detector with relay output – 20 m
	GS303	Glassbreak detector adhesive set (glue & cleaning towels) for GS300, GS301, GS302
	GS313	Glassbreak detector adhesive set for laminated glass (glue & cleaning towels) for GS310, GS311, GS312
	GS330	Relay interface for expanding glassbreak detector lines for GS320, GS321, GS322
	GS331	Glassbreak detector tester