



Acoustic Glass-Break Detectors

# ViTRON

## Alarm the intruder while still outside

**ViTRON glass-break detectors add important perimeter protection** for shop windows and residences. The main advantage is monitoring of glass-breakage, alarming and scaring away burglars while they are still outside.

**ViTRON microprocessor uses unique pattern recognition analysis** of the characteristic frequencies and sequences of framed pane glass breakage, providing superior detection combined with excellent false alarm immunity. These adjustment-free and easy-to-install units detect breaking of all standard framed glass types and thickness, while ignoring non-framed glass breakage and other possible sources of false alarms.

**ViTRON is Adjustment Free** – eliminating the “human factor” and simplifying the installation. This is enabled due to Rokonet’s highly reliable pattern recognition algorithms, and because each detector’s sensitivity is automatically calibrated during production.

**Installation flexibility of ViTRON is high**; flush mounted, surface mounted, corner mounted or swivel mounted, on any wall or ceiling. The optional swivel bracket enables optimal mounting and performance in any environment.

The **ViTRON** has been subjected to exhaustive testing of glass panes broken under real world conditions, **ensuring certain detection when the protected glass is actually broken.**

The added benefit of **ViTRON** lies in its **easy testing capabilities.** The **ViTRON** Tester enables full remote test including alarm relay activation, without opening the unit. Also automatic “dead microphone” supervision test is continuously performed, by monitoring for environmental sounds.



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### Did you know?

- Hundreds of thousands of ViTRON detectors are reliably installed in over 30 countries protecting windows around the world.
- The ViTRON surpassed all its competitors in a recent comparison test conducted by a large multinational installation company, involving breaking of glass panes.

#### ViTRON Features

- Microprocessor-based Acoustic Pattern Recognition
- Adjustment Free for reliable and easy installation
- 9m (30ft) range
- Protects all framed glass types: plate, tempered, laminated, and wired
- Flush mount (single gang box), surface mount, corner mount or optional swivel mount
- Omni-directional microphone
- Full remote test without opening unit
- Memory (latch) indication
- Dead microphone supervision

#### ViTRON™ Tester Unique Glass Break Simulator

The easy-to-operate ViTRON Tester simulates glass-break sounds to verify proper installation of the ViTRON. A unique audible coded message puts the ViTRON into test mode, without the bother of opening the detector units. This sophisticated tester can generate authentic breakage sounds for a comprehensive range of glass types.



#### ViTRON Tester Features

- Advanced glass-breaking pattern generator
- Full remote test mode eliminates the need to open the detector for testing
- Auto/Manual operation modes
- Active-battery LED indication



Specifications	ViTRON	ViTRON Plus
<b>Glass types:</b>	Plate, tempered, laminated and wired	Plate, tempered, laminated and wired
<b>Glass thickness:</b>	3, 4.8 & 6 mm (1/8, 3/16 & 1/4 in)	3, 4.8 & 6 mm (1/8, 3/16 & 1/4 in)
<b>Operating voltage:</b> 9 to 16VDC	✓	✓
<b>Current consumption:</b> 20mA at 12VDC	✓	✓
<b>Alarm contacts:</b> NC, 50mA, 24VDC	✓	✓
<b>Tamper contacts:</b> NC, 0.5A, 24VDC	✓	✓
<b>Acoustic sensor:</b> Omnidirectional Microphone	✓	✓
<b>Operating temperature:</b> 0°C to 55°C (32°F to 131°F)	✓	✓
<b>Storage temperature:</b> -20°C to 60°C (-4°F to 140°F)	✓	✓
<b>Dimensions:</b>	87 x 51 x 29mm (3.4 x 2 x 1.1in)	71 x 50 x 25mm (2.8 x 1.94 x 0.97in) With flush mount plate 115 x 76 x 30.8mm (4.52 x 3 x 1.2in)



Applies for  
RG61 & RG71FM



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Part Numbers	Description
RG61	ViTRON 9m
RG71FM	ViTRON Plus 9m with Flush Mount plate
RG65	ViTRON Tester
RA66	ViTRON Swivel Bracket

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