



How Does A Security System Work?

Phone 579 1567

sales@matrixsecurity.co.nz

www.matrixsecurity.co.nz

Matrix Security will recommend the security system that best meets your needs and budget.

The Security Basics

At the heart of every security system is the control panel that works as a central computer interpreting signals received from sensors when they are activated.

The control panel is only armed when a code is entered and the system is activated. When disarmed your home is not protected, although the panel still recognises some signals such as power failure, low battery, tamper alerts and smoke detection.

If your home is monitored the control panel, when armed, will automatically send signals to the Matrix Security call centre.



When an alarm signal reaches the call centre it is instantly reviewed, along with your service instructions, such as dispatch of a Matrix Security officer or alert of appropriate authorities.

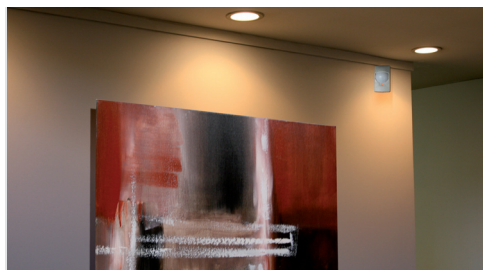
Adding Value

The basic security system relies on:

- A control panel that needs to be remotely or manually armed
- Sensors that are placed throughout the house.
- An internal communicator to achieve immediate dispatch of security officers once an alarm signal is activated
- Audible sirens

Over and above the basic model there are other products that can strengthen and add value to your personal home security system. Some of these are best installed when a home is under construction – particularly if they involve sensors that are embedded in windows or door frames.

Sensors can be activated when their beams or circuit is interrupted or they can be designed to detect heat, motion or 'shockwaves'.



The range of security products that Matrix Security recommends and installs includes:

- Magnetic contacts to protect doors and windows
- Motion sensors to detect movement or heat
- Glass break sensors to protect glazed areas
- Personal panic alarms
- Sirens and sounders to make a high pitch noise
- Smoke detectors connected as part of the monitoring system

Matrix Security can advise you on each and all of these products and ensure that a licensed technician installs the equipment as required by law and to manufacturer's specifications.

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Matrix Security works with proven and respected manufacturers that offer excellent service standards and product guarantees. Our operations, sales and technical staff are licensed by the Department of Internal Affairs under the Private Security Personnel and Private Investigators Act. This means that all security system installations are carried out by licensed and trained professionals. Matrix Security is an audited and accredited member of the New Zealand Security Association (NZSA), the industry body charged with improving performance standards throughout the country.



Commonly Asked Questions

Q: Can security systems be armed when we are at home?

A: Yes. When we advise you on what security system is best for you we will also discuss different ways for it to be configured or designed. This includes i) understanding your security needs and lifestyle, ii) recommending where sensors and key pads are placed, iii) assessing the need for independent motion and contact sensors.

Q: How does a magnetic contact work?

A: This is a device that detects when a door or window is opened before sending a signal that reaches the security system control panel for immediate relay back to the Matrix Security call centre. There are two parts to this device – the switch which is installed in the door or window itself and the magnet that signals when it moves 'out of contact' with the switch.

Q: How does a glass break sensor work?

A: This is a device that is mounted on a wall or ceiling and is triggered by sound or vibration. The sensor can detect the sound or shockwaves of glass breaking and immediately sends a signal back to the control panel for relay to the Matrix Security call centre.

Q: How does a passive infrared motion detector (PIR) work?

A: This is a device that detects the movement of heat – whether human, animal or environment. The source just has to pass underneath or near to the sensor and a signal is sent back to the control panel for relay to the Matrix Security call centre.

Q: What are the benefits of integrated smoke detectors?

A: When a smoke detector is linked to a security system it is integrated within your overall home security system. This means that not only is smoke detected but a signal is sent to the control panel for relay to the Matrix Security call centre. The signal from a smoke detector activation is easy to identify and usually results in the Fire Service being called.

