



Visonic

A Tyco International Company

Inside PowerG



Introducing the NEW KP-160

Ultra-simple, ultra-elegant touch-screen keypad - [See Page 2](#)

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New - KP-160 PG2 Security and Control at your Fingertips

Visonic's KP-160 PG2 is the ideal solution for controlling basic alarm functions from different locations in the home or small business premises.



New Levels of Security, Control and Simplicity

Featuring a stylish design and graphic touch screen, these keypads are two-way radio, icon-based, virtual keyprox. KP-160 PG2 touch screen is used to perform all common actions such as arming/disarming the system, initiating emergency, fire and panic alarms, controlling PGM outputs and reviewing the system's status.

This avoids the burden and pitfalls of memorising secret codes and allows installers to maximise system security by installing the panel in a hidden location.

Features include:

- Keyprox for PowerMaster Systems (coming soon for PowerMax)
- Sleek design with easy-to-use touch screen
- Completely wireless with up to 5 years battery life
- Optional Entry/Exit beeps enabled via panel programming
- Easy arm and disarm with stylish proximity tags
- Suitable for any home or business

Available now - KP-160 can be ordered in silver/white or black version and operates on both PowerMaster10 and 30 control panels.



0-102114 KP-160 PG2 Silver/White
0-102206 KP-160 PG2 Black

Stylish MiniTags

High quality decorative proximity tags are a neat addition to anyone's key ring. MiniTags enable users to arm/disarm the system eliminating the need to memorise codes. Tags can be deleted, should one be misplaced, and are cost effective to replace.



K-303465 MiniTags (pack of 8)



Click here to download the KP160 Brochure

Rising above the noise – with PowerG Technology

Fast-growing adoption of wireless communication systems and devices in virtually all aspects of life has prompted a shift over the past few years in the fundamental questions about security technologies. Just a few years ago “wired or wireless?” was a common point of debate; but today, the discussion is more about the details of wireless performance.

Wireless popularity means a noisy environment

Interestingly, the widespread prevalence of wireless devices is both a reason for increasing acceptances of wireless security systems and also the cause of one of the major performance challenges. That is, with more and more wireless devices in use, the environment has become dense and noisy with radio energy.

The result: wireless security systems' performance is prone to collisions, interferences, and jamming.

Another performance challenge comes from increasingly stringent security standards that require higher immunity to interferences and message substitution, correct message identification, very fast supervision, and improved ability to withstand hacking attempts.

Unique technology meets the challenge

PowerG Technology rises above this noisy and demanding environment by offering wireless intrusion security and reliability that goes far beyond earlier technologies. Its unmatched performance rests on several advanced capabilities and features that are unique to PowerG. For example:

Frequency Hopping Spread Spectrum (FHSS) – FHSS changes the frequency of a transmission at fast intervals, enabling the PowerG network to overcome intentional and un-intentional interferences and jamming. Using FHSS, the PowerG network continuously hops between multiple frequencies spread over the entire assigned frequency band. It uses an encrypted pseudo-random sequence to change frequencies 64 times per second. The sequence

is unique to each PowerG panel and known only to devices enrolled to the PowerG panel.

Multiple Visonic PowerG-based alarm systems can operate in the same vicinity without interfering with each other, thus dramatically increasing the robustness and reliability of the wireless network.

Huge transmission range – PowerG employs advanced radio and diversity antenna technologies that result in an extremely large range—far greater than the industry standard. This enables repeater-free installations even on very large premises. By adding a PowerG repeater, the range can be doubled.

Advanced installation and maintenance

toolset – Full two-way uplink and downlink data communication enables new, powerful tools that can save time and money on a daily basis. Built-in link quality indicators on the devices, onsite and remote configuration of devices and peripherals, onsite and remote diagnostics, real-time testing and walk testing all reduce the net number and time of site visits.

Energy-saving network, with up to 8 years

battery life – PowerG devices' battery life can be up to 8 years dependant on the type of device. Each PowerG device continuously measures communication quality and automatically sets its transmission power to the minimum required for reliable communication with the panel. Full, two-way synchronized communication ensures minimum, short transmissions.

PowerMaster Family – Built for Professional Installations

The PowerMaster family provides wireless robustness and reliability that is closer than ever to that of wired systems – without the expense or site-damage risks of installing wires.

PowerMaster systems enable fast and easy installations in residential and light-commercial premises, with cost-effective and easy ongoing maintenance.

Faster and easier installation

Experienced installers will immediately notice the simplicity of PowerMaster installations compared to traditional wireless installations. This is because the system has many installer-friendly features and capabilities, including:

- Enrollment button for one-click enrollment – Simplifies enrolment procedures
- Enrollment wizard – Enables quick setup of new devices
- All devices are configured from the panel or remotely from the central station – No need to re-open device covers or remember complex hardware switch configurations
- Devices indicate best mounting location with link quality indication – No need to approach the panel during installation
- Long transmission range – No need for repeaters
- Powerful diagnostic tool indicates RF link quality, based on the previous 24 hours' statistics and on-demand bi-directional measurements, displaying immediate problems and enabling verification of the installation during house setup.



Control Panels

The PowerMaster family includes the following control panels, suitable for different types and sizes of premises.



PowerMaster-10 G2

Compact wireless home security and safety system supports advanced security applications. Suitable for residential, small office and home office (SOHO) installations.



PowerMaster-30 G2

Professional wireless security and safety system supports advanced security applications. Suitable for the heavy-duty operation required in installations in small and medium businesses (SMB) and mid to high-end residential premises.

Triple-A rating: Accessories for Any Application

Every customer has their unique requests and needs when it comes to the type of protection they are looking for. Whereas some customers want a fairly straightforward intrusion alarm system, with or without smoke or CO detection, others have additional concerns about protecting the house and contents from damage in the event of an infrastructure failure such as a burst water pipe.

Likewise, customers are looking for different levels of convenience and design in terms of the remote device used to operate their security system.

A world of accessories

RF strength and indication LEDs on all PowerG devices make installation easier and the overall system more reliable.

The PowerMaster range of accessories, is one of the most complete lists of accessories for wireless residential and small office security. It includes intrusion and safety detectors, a wide range of keypads and arming devices, and several sirens and repeaters that support a wide range of premises sizes and layouts.

0-500167



SMD-426 PG2

Wireless optical smoke detector.

0-102118



KF-234 PG2

Keyfob.

0-102113 /
0-102127



KP-141/140 PG2

Keypad with/without Prox.

0-102205



Tower 30AM PG2

High security PIR.

0-102121
(Standard) /
0-102116 (Pet)



Next Standard/Pet PG2

Next Wireless PIR & Next K-985
Wireless Pet Tolerant PIR.

0-102123
(Standard) /
0-102122 (Pet)



Next CAM PG2

Two-way PIR camera for
real-time visual alarm verification.

9-101686



GSM-350 PG2

Internal GSM/GPRS/SMS
module.

0-102125



SR-730 PG2

Wireless siren with strobe
and flashing LED.

0-102117



RP-610 PG2

Range repeater with PSU and
rechargeable battery.

0-102124



SR-720 PG2

Internal Wireless Siren.

0-500152



GSD-442 PG2

Carbon Monoxide detector.

0-102203 White
0-102204 Brown



MC-302E PG2

Door contact with aux input.

Coming soon – new products to watch for

The PowerG range is constantly expanding, with releases of new systems and accessories that expand the range of applications and offer other enhancements. Look out for these products, due to become available over the coming months.



TOWER-20AM PG2 outdoor detector – superb motion detection for outdoors

Tower-20AM PG2 detector with anti-masking features several innovative technologies to overcome the ultra-demanding challenges of outdoor detection, including uncontrolled legitimate movements in the outdoors of a premise which can easily cause false alarms (e.g. wind-buffed bushes, roaming pets, car headlights).

The revolutionary Octa-Quad® technology, which uses eight PIR sensors, each of them acting as a Quad detector, enables the detector to accurately and reliably determine whether an alarm is justified.



TOWER-32AM PG2 – Grade 2 dual technology mirror motion detector for harsh environments

This advanced detector comprehensively answers the need of commercial and residential applications for outstanding detection with minimum false alarms, even in the most challenging conditions where a high degree of security is needed.

Using dual PIR/MW technology, as well as the advanced detection technologies of the TOWER family and Visonic's PowerG full two-way, wireless technology, the TOWER-32AM PG2 provides unmatched reliability and robustness to interference. It is also EN Grade 2-certified.

SD-303 PG2 shock detector – helping to thwart break-and-entry attempts

Break-ins to homes often involve attempts to break a window or door. This new sensor identifies such attempts to smash through the glass, wood or PVC frame of a window or door, activating the alarm system before the potential intruder even enters the house.

The sensor includes a revolutionary setup procedure which takes away the guesswork that is usually required when installing these types of devices.



Tell us what you need!

At Visonic, we're constantly working to develop new products that meet ever-more varied and advanced security needs.

Please tell us what you would like to see in our future product range, so that we can better tune our products to installers' needs.

To send us your ideas and requests, contact us at:

productsupport.uk@visonic.com

Eyes on site – The case for visual verification

Visual alarm verification is an increasingly important aspect of home security, with demand being fueled by two main drivers.

- 1 Central monitoring stations need, on the one hand, to reduce the costs of responding to false alarms; but on the other hand, they cannot miss any real alarm events.
- 2 More and more law enforcement agencies are imposing “no response unless verified” policies which can be seen in the new UK standards PD:6662 and BS8243.

Visonic's RealAlarm, which is based on PowerG technology, offers a complete answer for effective visual alarm verification. It enables central monitoring stations to accurately assess the situation inside the premises when an alarm is triggered by a burglary attempt, fire or other emergency.

This can prevent unnecessary police visits, ensuring your customers retain their response level for when it's really needed as well as their insurance cover. Likewise, when an alarm is confirmed, emergency services can be briefed on the situation and potentially respond faster and better prepared for the specifics of the situation.

Putting “eyes on site” in this way requires coordinated motion detection and image capture – such as provided by Visonic's Next CAM PG2. A two-way, wireless digital PIR detector with integrated camera, it is typically installed to cover entire rooms, hallways, stairways and other areas where camera viewing is needed.

When the alarm system is armed and the PIR sensor detects movement, the detector activates the camera and sends an alert to the control panel, which immediately sends the images to the central station. The images showing the cause of the alarm can be automatically emailed directly to you and/or your customers.



Next CAM PG2

Two-way PIR camera for real-time visual alarm verification.

0-102123 (Standard) / 0-102122 (Pet)

Central Stations that can support Visonic visual alarm verification

The RealAlarm system must be connected to a central monitoring station that has a PowerManage IP service management platform, which enables management of a wide range of IP-based security services, including visual image verification.



Useful Contacts

Use this list to find a visual verification-ready central monitoring station for your customers:

East Midland Central Station (EMCS)
0800 716 179

LockedUp Monitoring
0808 100 0101

Southern Monitoring Services (SMS)
0844 8712 223

Northern Monitoring Services (NMS)
0844 8712 224

G4S
0845 9000 447

PowerMaster 10 & 30 PRO Fit Kits

PowerMaster PRO Fit Kits utilise the strongest wireless technologies, with outstanding range and functionality and superb reliability.

With a wide range of accessories for improved detection, safety and system control, the future of intruder alarm systems is available NOW.

Features include:

- 30 and 64 zone control panels available
- Frequency hopping technology overcomes interference
- Pre-configured devices with one-click enrolment
- Signal quality indicators on devices
- Extended transmission for larger premises
- Improved battery life for up to 8 years use
- Pet-tolerant and standard lenses included in all kits
- Compliant to EN-50131 Grade 2 and PD-6662:2010 and DD-243.



PowerMaster 30 PRO Fit Kit

0-102181



PowerMaster 30 PRO Fit Kit

0-102182 - As Above with no External Siren



PowerMaster 10 PRO Fit Kit

0-101782



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For more information on PowerG and the complete Visonic range click here to visit our website

www.visonic.com



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