



PowerMaster

Expanding the Boundaries of Security



with
PowerG
Technology

The PowerMaster Family

Expanding the Boundaries of Security

Combining reliability, performance and an advanced feature set, Visonic's PowerMaster intrusion alarm systems lead the wireless security market. Using Visonic's revolutionary PowerG wireless network technology (patent pending), the PowerMaster family of products comprehensively addresses the needs of residential and commercial premises, installers and central monitoring stations alike.

Improving Service and Reducing Costs with Innovative Features

Intrusion alarm systems must constantly overcome challenges to maintain a high level of security, including meeting stringent regulatory requirements and lowering operational expenses. The PowerMaster family provides wireless robustness and reliability closer than ever to that of wired systems. This eliminates the expense of installing wires and associated damage to the installation site. With a superior range, a long battery life and unmatched ease of installation, PowerMaster systems meet these challenges head-on; and excels in advanced applications and heavy duty operation in both residential and commercial settings.

Feature	PowerMaster-10	PowerMaster-30	PowerMaster-33
Zones	30	64	64
Users	8	48	48
Proximity tags	8*	32	32
Keyfobs	8	32	32
Keypads	8	32	32
Sirens	4	8	8
Repeaters	4	4	4
Built-in siren	Yes	Yes	No
Wired zones	1	Up to 2**	Up to 56***
Log file size	1,000	1,000	1,000
Voice notifications	No	Yes	Yes****
Partitions	3 + common areas	3 + common areas	3 + common areas
Battery backup	12hr or 24hr	Up to 48hr	Up to 48hr
Power supply	Internal or external	Internal or external	Internal or external
Communication	PSTN, GSM, GPRS, 3G, IP	PSTN, GSM, GPRS, 3G, IP	PSTN, GSM, GPRS, 3G, IP

*Can only be operated by PowerG keypads

**Up to 2 wired zones, 1 wired siren and 1 programmable output

***Supports different expander modules for up to 56 wired zones, wired siren and wired speech box

****Available by connecting a speech box

PowerMaster-33 EXP G2

Distributed wireless and wired security, safety, and control system. It is suitable for SME / light-commercial usage and for residential customers who want a concealed alarm system. The panel is installed and operated by the KP-250 wireless two-way keypad.



PowerMaster-30 G2

Professional wireless security alarm system. Suitable for advanced security alarm monitoring applications and heavy duty operation, it has a superior range, extended battery life and unmatched wireless robustness. All devices are configured from the panel or from the wireless KP-250 keypad.



PowerMaster-10 Triple G2

Compact wireless security and safety system. Using wireless technology that is highly secure, it delivers superior range, long battery life and unmatched wireless robustness. A perfect solution for monitoring service providers who require high performance at a low cost. Suitable for large residential and small to mid-size business installations.



One Solution; Multiple Benefits



Robustness and Reliability

- Multi-channel, Frequency Hopping Spread Spectrum (FHSS) technology overcomes frequency blocking and interference from wireless appliances
- Two-way communication ensures that no alarm messages are lost
- TDMA synchronized communication technology eliminates message collisions
- Devices dynamically adjust to wireless changes when communicating with the PowerMater panel
- Extended transmission range of up to 2000m/6500ft (line-of-sight)* - Enables reliable communication with remote devices, even in difficult conditions or complicated infrastructures
- AES-128 for secured communication and maximum protection

*Measured line-of-sight transmission range: 2000m/6500ft at 8m/24ft, 750m/2500ft at 2m/6.5ft



Faster and Easier Installation

- Enrollment button for one-click enrollment
- Enrollment wizard enables quick setup of new devices
- Configuration templates automatically configure the basic parameters of any device
- All devices are configured from the panel or remotely by the central monitoring station or by the remote programmer
- Devices indicate best mounting location with link quality indication - No need to approach the panel during installation
- Long transmission range - No need for repeaters



Total Control from the Central Monitoring Station

- Configuration and review of all peripherals
- Remotely initiate and perform walk tests without an installer present onsite
- Perform diagnostics of wireless connection and RF link quality
- View the situation following an alarm for assessment of best response and to avoid false dispatches
- PowerManage system allows management and maintenance of tens of thousands of alarm systems via IP from the monitoring provider's technical center



Green, Energy-saving System

- No unnecessary re-transmissions
- Long battery life reduces pollution and saves energy
- Energy-saving algorithms reduce power consumption



Large Range of PowerG Peripherals for Every Application

with
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Intrusion Detection



Next CAM PG2

Motion Detector with Integrated Camera

Enables real-time visual alarm verification, day and night, for central monitoring stations, sends full color images from the premises



MP-802 PG2

Motion Detector

Digital Pet Immune PIR Smart Motion Detector



TOWER-30AM PG2

Motion Mirror Detector

Extended range (15m / 50ft) detector, minimum false alarms; ideal for tough conditions



Clip PG2

Curtain PIR Detector

Compact door/window detector, all-glass walls; selectable range 2, 4, 6m (6, 12, 18ft)



MC-302E PG2



MC-302V PG2

Magnetic Contacts

Simple, wireless compact door/window contacts; optional auxiliary input



GB-502 PG2

Glass-break Detector

Reliable, wireless glass-break detection for plate, tempered, laminated and wired glass



TOWER-20AM PG2

Outdoor PIR Motion Mirror Detector

Innovative design, with advanced technologies to overcome outdoor challenges



TOWER CAM PG2

Outdoor PIR Motion Mirror Detector and integrated camera

Innovative detector and camera with technologies to overcome demanding outdoor challenges



SD-304 PG2

Shock Detector

Early detection of gross attacks or low-level shocks



TOWER-32AM PG2

Mirror Dual Technology Detector

Dual PIR and K-band microwave technologies dramatically reduce false alarms and decrease associated operational costs

Safety



SMD-427 PG2

Smoke & Heat Detector

Loud alarm sound and visual notifications; with SirenNet feature*



GSD-442 PG2

Carbon Monoxide (CO) Detector

Gives early warning before CO levels become dangerous; sensor life of up to 5 years



GSD-441 PG2

Cooking Gas Detector

Provides warning in case of natural gas leaks (Methane CH4, commonly used for cooking)



TMD-560 PG2

Temperature Detector

Issues an alert when the ambient temperature reaches predetermined thresholds; detects indoor or outdoor temperatures



FLD-550 PG2

Flood Detector

Highly sensitive; detects water at ground level

Keypads and Arming Devices



KP-250 PG2

Two-Way LCD Keypad

Wireless keypad; advanced installer and user experience



KP-160 PG2

Touch-screen Keypad

Cost-effective, wireless two-way keypad with proximity tags



KF-235 PG2

Slim Keyfob

Attractive and ergonomic design; provides instant feedback of system status and commands



KF-234 PG2

Keyfob

Comfortable and attractive keyfob with miniature design that enables easy arming and disarming



KP-140 PG2 / KP-141 PG2

Two-way Keypad

User-friendly universal remote commander to control the PowerMaster system. KP-141 include Proximity reader

Sirens and Repeaters



SR-740 PG2

Outdoor Siren

Simple, self-powered, fully-wireless outdoor siren and strobe



SR-720B PG2

Indoor Siren

Elegant self-powered, fully-wireless indoor siren and strobe



RP-600 PG2

Repeater

Extends communication range, for larger residential/commercial premises



PB-101 PG2

One button Control/ Emergency

Elegant panic button



PB-102 PG2

Two-button Control/ Emergency

Anti-false alarm dual button



Proximity Tags

High quality, decorative proximity tags eliminate the need to memorize secret codes

* SirenNet is a unique PowerG feature. When an alarm occurs - whether triggered by burglar, fire, panic or safety devices, all installed smoke detectors leverage their built-in buzzers to sound the alarm.

