



# PowerMaster

Expanding the Boundaries of Security



with  
**PowerG**  
Technology



**Visonic**

*From Tyco Security Products*

[www.visonic.com](http://www.visonic.com)

# 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
Pendants	15	15	15
Keyfobs	8	32	32
Keypads	8	32	32
Sirens	2	8	8
Wired siren	No	Yes	Yes
Wired zones	1	1 or 2	1 or 2
Log file size	250	1,000	1,000
Wired expander	No	Yes (1 PGM output, 2 additional hardwired zones, 2 wired sirens, 1 voice box)	Yes (1 PGM output, 2 additional hardwired zones, 2 wired sirens, 1 voice box)
Voice (two-way, prompts)	No	Optional	Optional
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	Build-in PSTN, optional GSM/GPRS internal module or PowerLink3	Build-in PSTN, optional GSM/GPRS internal module and or PowerLink3	Build-in PSTN, optional GSM/GPRS and IP modules
Repeaters	4	4	4

## PowerMaster-33 G2

Distributed wireless security, safety and control system for SME / light-commercial usage and residential customers who want to hide the panel in a secured location. It is controlled by wireless devices.



## PowerMaster-30 G2

Professional wireless security and safety system supports advanced security applications. Suitable for the heavy duty operation required in SME installations and mid to high-end residential premises.



## PowerMaster-10 G2

Compact wireless home security and safety system supports advanced security applications. Suitable for residential and SOHO 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  
**PowerG**  
Technology



## 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



Next PG2

### Motion Detector

Extended range (15m / 50ft) and battery life  
Wireless PIR detector; optional pet-tolerance



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-501 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-730 PG2 / SR-740 PG2

### Outdoor Siren

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



SR-720 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.



Contact Visonic for further information.  
Email: [info@visonic.com](mailto:info@visonic.com)

Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative.  
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