PowerMaster
Expanding the Boundaries of Security

with PowerG Technology

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

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

*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

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**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/26ft, 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 on site
- 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

### Intrusion Detection

<table>
<thead>
<tr>
<th>Device</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motion Detector with Integrated Camera</td>
<td>Enables real-time visual alarm verification, day and night, for central monitoring stations, sends full color images from the premises</td>
</tr>
<tr>
<td>Glass-break Detector</td>
<td>Reliable, wireless glass-break detection for plate, tempered, laminated and wired glass</td>
</tr>
<tr>
<td>Outdoor PIR Motion Mirror Detector</td>
<td>Innovative design, with advanced technologies to overcome outdoor challenges</td>
</tr>
<tr>
<td>Motion Mirror Detector</td>
<td>Extended range (15m / 50ft) detector, minimum false alarms; ideal for tough conditions</td>
</tr>
<tr>
<td>Curtain PIR Detector</td>
<td>Compact door/window detector, all-glass walls; selectable range 2, 4, 6m (6, 12, 18ft)</td>
</tr>
<tr>
<td>Magnetic Contacts</td>
<td>Simple, wireless compact door/window contacts; optional auxiliary input</td>
</tr>
</tbody>
</table>

### Safety

<table>
<thead>
<tr>
<th>Device</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoke &amp; Heat Detector</td>
<td>Loud alarm sound and visual notifications; with SirenNet feature*</td>
</tr>
<tr>
<td>Carbon Monoxide (CO) Detector</td>
<td>Gives early warning before CO levels become dangerous; sensor life of up to 5 years</td>
</tr>
<tr>
<td>Cooking Gas Detector</td>
<td>Provides warning in case of natural gas leaks (Methane CH4, commonly used for cooking)</td>
</tr>
<tr>
<td>Temperature Detector</td>
<td>Issues an alert when the ambient temperature reaches predetermined thresholds; detects indoor or outdoor temperatures</td>
</tr>
<tr>
<td>Flood Detector</td>
<td>Highly sensitive; detects water at ground level</td>
</tr>
</tbody>
</table>

### Keypads and Arming Devices

<table>
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<tbody>
<tr>
<td>Two-Way LCD Keypad</td>
<td>Wireless keypad; advanced installer and user experience</td>
</tr>
<tr>
<td>Touch-screen Keypad</td>
<td>Cost-effective, wireless two-way keypad with proximity tags</td>
</tr>
<tr>
<td>Slim Keyfob</td>
<td>Attractive and ergonomic design; provides instant feedback of system status and commands</td>
</tr>
<tr>
<td>Keyfob</td>
<td>Comfortable and attractive keyfob with miniature design that enables easy arming and disarming</td>
</tr>
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</table>

### Sirens and Repeaters

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<tr>
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<tbody>
<tr>
<td>Outdoor Siren</td>
<td>Simple, self-powered, fully-wireless outdoor siren and strobe</td>
</tr>
<tr>
<td>Indoor Siren</td>
<td>Elegant self-powered, fully-wireless indoor siren and strobe</td>
</tr>
<tr>
<td>Repeater</td>
<td>Extends communication range, for larger residential/commercial premises</td>
</tr>
</tbody>
</table>

### Peripherals

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<td>Carbon Monoxide (CO) Detector</td>
<td>Provides warning in case of natural gas leaks (Methane CH4, commonly used for cooking)</td>
</tr>
<tr>
<td>Cooking Gas Detector</td>
<td>Provides warning in case of natural gas leaks (Methane CH4, commonly used for cooking)</td>
</tr>
<tr>
<td>SirenNet</td>
<td>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.</td>
</tr>
</tbody>
</table>

* 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.