PowerMaster-30 G2
Professional Wireless Security and Safety System

Features that Make a Difference:

• Unmatched affordability and performance
• Accommodates more than 120 wireless devices:
  • Up to 64 zones
  • Up to 32 keypads, 32 keyfobs, 8 sirens, 4 repeaters
• Optional 3G, GSM/GPRS and IP modules
• Extensive range of PowerG peripherals for every application
• Remote configuration and diagnostics with system status indications
• All devices are configured from the panel
• SirenNet - Leverages smoke detector buzzers for all alarms
• PGM output
• Optional proximity reader
• Up to 48 hour back-up battery
• Available in multiple languages
• Remote software updates
• Audible voice notifications
• Built-in siren

A New Era in Intrusion Alarm Systems
PowerMaster-30 G2 is a professional wireless security, safety and control system suitable for advanced applications and heavy-duty operation. It has a superior range, prolonged battery life and unmatched wireless robustness. Moreover, it provides outstanding wireless functionality with all peripherals.

Using Visonic’s revolutionary PowerG network technology, PowerMaster-30 G2 fully answers the most demanding requirements facing the security industry today.

PowerG Robustness and Reliability

• Frequency Hopping Spread Spectrum (FHSS).
• Full two-way synchronized TDMA wireless network – Provides streamlined communication and improved channel efficiency.
• Huge transmission range of 2000m (6500ft) line of sight* – Covers significantly larger premises than traditional systems, without repeaters.
• Highly secured AES-128 encrypted wireless communication – Surpasses the most demanding industry standards.
• Adaptive transmission power – Saves energy and significantly extends battery life.

*Measured line-of-sight transmission range: 2000m (6500ft) at 8m (24ft), 750m (2500ft) at 2m (6.5ft)
New Toolset for Faster and Easier Installation

- Special enrolment button on each device simplifies enrolment procedures.
- All devices are configured from the panel – No hardware switches and no need to re-open the peripherals once closed.
- Customized configuration templates enable configuration of the devices collectively.
- Visible signal quality indication shown on the device – Enables the installer to choose the optimal location without having to walk to the panel during installation.
- 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.

Powerful Tools for Central Monitoring Stations

- Remote enrolment, configuration and review of all peripherals in the system.
- Initiate remote walk test with assistance from anyone in the house.
- Remote diagnostics of wireless connection and RF link quality for all peripherals – Based on the previous 24 hours’ statistics and on-demand bi-directional measurements.

Green, Energy-saving System

- Two-way, synchronized, spread spectrum communication eliminates unnecessary re-transmissions.
- Typical 5-8 years’ battery life for all peripherals.
- Minimum power consumption and pollution due to adaptive transmission power that is determined according to the distance from the panel and level of RF interference.

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>RF network</td>
<td>PowerG - Frequency hopping</td>
</tr>
<tr>
<td></td>
<td>multi-channel (CDMA)</td>
</tr>
<tr>
<td>Frequency bands (Mhz)</td>
<td>433 – 434 868 - 869 912 - 919</td>
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<tr>
<td>Hopping frequencies</td>
<td>8 4 50</td>
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<tr>
<td>Encryption</td>
<td>AES-128</td>
</tr>
<tr>
<td>Number of zones</td>
<td>64</td>
</tr>
<tr>
<td>User codes</td>
<td>48</td>
</tr>
<tr>
<td>Back-up battery</td>
<td>24 hour back-up – 7.2V, 1300mAh, NiMH</td>
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<tr>
<td></td>
<td>48 hour back-up – 9.6V, 1800mAh, NiMH</td>
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<tr>
<td>Dimensions</td>
<td>266 x 206 x 63mm</td>
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<tr>
<td></td>
<td>(10.4 x 8 x 2.5in)</td>
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<tr>
<td>Weight</td>
<td>1.44kg (3.2 pounds)</td>
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<tr>
<td>Power supply</td>
<td>Internal or external according to local regulations</td>
</tr>
<tr>
<td>Reporting formats</td>
<td>Analog: SIA, Contact ID, Scancom; IP: SIA IP, Visonic PowerNet</td>
</tr>
<tr>
<td>Communication</td>
<td>PSTN, GSM, GPRS, 3G, IP</td>
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