PowerMaster®-10

New Wireless Alarm System.
Breakthrough Technology.

STRONGER
GREENER
SIMPLER

PowerMaster-10 introduces a new era in intrusion alarm systems, literally redefining wireless home security and reliability. Using Visonic's revolutionary PowerG® network technology (patent pending), PowerMaster-10 fully answers the most demanding needs and requirements facing the security industry today, as well as the challenges of tomorrow.

- Frequency Hopping Spread Spectrum (FHSS) – provides unmatched robustness and reliability

- Full two-way synchronized TDMA wireless network – provides streamlined communication and improved channel efficiency

- Huge transmission range (2000m/6000ft line of sight)* – covers significantly larger premises than traditional systems, without repeaters

- Advanced installer toolset – saves time and money on every installation

- Adaptive transmission power– saves energy and significantly extends battery life

- Highly secured AES-128 encrypted wireless communication – surpasses the most demanding industry standards

- Advanced tools for central monitoring stations, including remote configuration and diagnostics of peripherals

Visonic®

For a secure way of life

PowerMaster-10

Robustness and Reliability Close to Wired Systems

- Two-way communication ensures there are no lost alarms
- Multiple frequency channels (up to 50) using Frequency Hopping Spread Spectrum (FHSS) technology overcome interferences to wireless communication, enable multiple systems to operate in the same site or neighborhood without disturbing each other, and eliminate "blind spots"
- Transmission range is far greater than the industry standard (2000m/6000ft line of sight),* enabling repeater-free installations even in large premises
- Message collisions are eliminated through TDMA synchronized communication technology similar to WiMAX, GSM and Bluetooth
- Devices dynamically optimize their route to the control panel using available repeaters according to changes in the environment
- Short keep-alive intervals provides reliable supervision of any vandalism attempts or device failure
- Communication is secured by the proven AES-128 encryption algorithm to protect against sophisticated intruders, "code grabbing", message substitution, etc.

New Toolset for Faster and Easier Installation

- Special enrollment button on each device simplifies enrollment procedures
- ID code on each device can be used alternatively for easy local or remote enrollment
- 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 instead of individually
- Visible signal quality indication shown on the device – enables the installer to choose the optimal location without walking to the panel during mounting
- 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 enrollment, 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
- Up to 5-8 years' battery life for all peripherals
- Minimum power consumption and "air pollution" due to:
  - Adaptive transmission power that is determined according to the distance from the panel and level of RF interference
  - Devices dynamically change wireless signal routing to utilize the most reliable communication pathway available

Wide range of wireless PowerG®-enabled peripherals**

Two-way Keypad

Two-way Motion Detector

Two-way Magnetic Contact

Two-way Keyfob

Two-way PIR Camera Detector

Two-way Smoke Detector

Two-way Outdoor Siren

Two-way Indoor Siren

Two-way Smoke & Heat Detector

Specifications:

RF network:	PowerG – Frequency hopping synchronized (CDMA)		
Frequency bands (Mhz):	433 – 434	868 - 869	912 - 918
Hopping frequencies:	8	4	50
Encryption:	AES-128		
Number of zones:	30		
User codes:	8		
Back-up battery:	12 hour back-up – 4.8V, 1300mAh, NiMH 24 hour back-up – 4.8V, 2200mAh, NiMH		
Dimensions:	196 x 180 x 55mm (7.62 x 7 x 2in)		
Weight:	658g (23 Oz)		
Power supply:	Internal or external according to local regulations		
Reporting formats:	Analog: SIA, Contact ID, Scancom; IP: SIA IP, Visonic PowerNet		
Communication:	PSTN; GSM; GPRS; IP		

* In actual installations, range is reduced due to construction signal attenuation.
** Numerous more devices and peripherals will become available during 2011.

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