

# PowerMaster-33 EXP G2

## Distributed Wireless and Wired Alarm System



### Features that Make a Difference:

- Hybrid panel that can be installed out of sight, operated by the KP-250 PG2 wireless two-way keypad.
- Accommodates more than 120 wireless devices:
  - Up to 64 zones, wireless or wired
  - Up to 10 KP-250 PG2 keypads, 32 keyfobs or 32 KP-140/141/160 PG2 keypads, 8 sirens, 4 repeaters
- Optional 3G, GSM/GPRS and IP modules
- Optional ioXpander-8 internal expander module that supports 8 configurable wired input / output ports, wired siren and wired voice box
- Supports up to 4 ioXpander-12x4 external expander modules, for a total of 56 wired zones
- Up to 48 hour back-up battery
- Remote software updates
- Extensive range of PowerG peripherals for every application
- Remote configuration and diagnostics with system status indications
- All devices are configured from the wireless keypad
- SirenNet - Leverages smoke detector buzzers for all alarms

### New Markets and Applications for PowerG

PowerMaster-33 EXP G2 is a hybrid wireless and wired security, safety and control system. It is suitable for SME / light-commercial usage and for residential customers who want concealed alarm system. It provides outstanding wireless functionality with all peripherals. The PowerMaster-33 EXP G2 panel is installed and operated by the KP-250 PG2 wireless two-way keypad.

Using Visonic's revolutionary PowerG network technology, PowerMaster-33 EXP 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)

## Quick and Easy Installation

- Special enrolment button on each device simplifies enrolment procedures.
- All devices are configured from the keypad and 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

RF network . . . . .	PowerG - Frequency hopping multi-channel (CDMA)
Frequency bands (Mhz) .	433 - 434 868 - 869 912 - 919
Hopping frequencies . . . . .	8 4 50
Encryption . . . . .	AES-128
Number of zones . . . . .	64
User codes . . . . .	48
Back-up battery . . . . .	24 hour back-up – 7.2V, 1300mAh, NiMH 48 hour back-up – 9.6V, 1800mAh, NiMH
Dimensions . . . . .	266 x 201 x 46mm (10.4 x 7.9 x 1.8in)
Weight . . . . .	1.44kg (3.2 pounds)
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, 3G, IP