

# PowerMaster-360R

## Modern Wireless Alarm and Home Automation Gateway



### Features that Make a Difference:

- EN regulated alarm system
- Modular security and home automation system, supporting:
  - PowerG Technology for security devices
  - Z-Wave radio for home automation devices (optional)
  - Wi-Fi module for IP camera support (optional)
  - Field replaceable 2G/3G cellular module for network communication (optional)
- Professional panel that can be installed out of sight, controlled by wireless devices
- Robust solution with battery and cellular link backup
- Built-in Siren
- Touchscreen keypad
- Accommodates more than 120 wireless devices:
  - Up to 64 zones
  - Up to 10 PIR cameras, 32 keypads, 32 keyfobs, 8 sirens, 4 repeaters
- Extensive range of PowerG peripherals for every application
- Remote configuration and diagnostics with system status indications
- Part of a solution that includes 3rd party cloud-based platform and mobile app

### Next Generation Security Panel with Home Automation Capabilities

PowerMaster-360R is a professional modern wireless security and safety control panel, with optional home automation capabilities. It is suitable for residential customers and small to mid-size businesses who want a professional alarm and home automation system in a single platform. It provides outstanding wireless functionality with all peripherals.

Using Tyco's award winning PowerG wireless technology, PowerMaster-360R answers the demands for a professional security system. The combined, optional Z-Wave and Wi-Fi connectivity answers advanced home automation needs.

### PowerG Robustness and Reliability

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

## Comprehensive Toolset for Fast and Easy Installation

- Special enrollment button on each device simplifies enrollment procedures
- Installer configuration using virtual keypad application (PC or Android) via standard MicroUSB port or through touchscreen keypad
- Full user experience via mobile application\*
- Visible signal quality indication shown on the sensors – Enables quick and easy installation while maintaining optimal radio performance
- 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

- Up to 5-8 years battery life for all peripherals
- Two-way, synchronized, spread spectrum communication eliminates unnecessary re-transmissions
- 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 . . . . .	12-hour back-up (LiPo, rechargeable battery, 3.7V, 1000mAh)
Dimensions . . . . .	168 x 152 x 42mm (6.61 x 5.98 x 1.65in)
Power supply . . . . .	External
Reporting formats . . . . .	Analog: SIA, Contact ID, Scancom; IP: SIA IP, Visonic PowerNet
Communication . . . . .	IP(10/100 Mbps), 2/3G cellular (Internal SIM card)
Wi-Fi . . . . .	802.11b/g/n, 2.4MHz wireless connectivity
Z-Wave . . . . .	868.4MHz, 908.4MHz, 921.4 Mhz
Certifications . . . . .	CE, EN 50131-1, EN 50131-3 Security Grade 2, environmental class II

\*Mobile application is offered by a 3<sup>rd</sup> party