



From Tyco Security Products

## TOWER-32AM PG2

PowerG, Wireless, Dual, Mirror  
Detector with Anti-mask



### Features that Make a Difference:

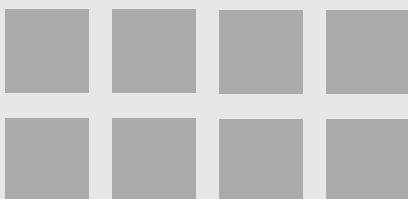
- Dual PIR and K-band microwave technologies dramatically reduce false alarms and decrease associated operational costs
- Ideal for commercial and harsh residential installations
- Unprecedented, active anti-masking (AM) protection technology for both the PIR and microwave sensors
- Disguise mode detects intruders even in extreme temperature conditions
- Complies with EN 50131-2-2 Grade 3 Standard
- Compatible with PowerMaster systems
- Uses revolutionary PowerG technology to deliver outstanding reliability, robustness and efficiency
- Vandal-resistant design – Enabled by patented V-Slot technology
- Pet-tolerant model – Immune to animals up to 18kg (40lb)

### Outstanding Detection Reliability in Commercial and Harsh Residential Environments

The TOWER-32AM PG2 dual technology detector combines advanced PIR detection algorithms with K-band microwave detection to dramatically reduce false alarms events even in harsh residential and commercial installations. The unique anti-disguise mode increases detection reliability by detecting an intruder who manipulates his body temperature to be very close to the ambient temperature.

The TOWER-32AM PG2 unique Anti-mask features further enhance security with protection against attempts to mask either the PIR or the microwave sensors.

Using the mirror detection technology of Visonic's TOWER family combined with Visonic's PowerG full, two-way, wireless technology, the TOWER-32AM PG2 detector provides unmatched reliability, robustness to interferences and effortless installation.



## Advanced Detection Technologies

- **Dual technology: PIR and microwave** – An alarm signal is sent only after both the PIR and K-band microwave sensors have detected an intruder. This significantly reduces false alarms, saving associated costs for both the end-user and installer.
- **Combination elliptical-parabolic mirror optics** – An innovative mirror with extremely high optical gain delivers an extended range and provides superior detection sensitivity.
- **Digital temperature compensation** – The detection sensitivity continuously adjusts according to the ambient temperature. It improves the detection of intruders even when the ambient temperature is close to human body temperature.
- **Anti-disguise mode** – This mode is used when an intruder tries to disguise himself by manipulating his body temperature to be close to the ambient temperature. A unique detection algorithm and increased microwave sensitivity together improve detection sensitivity and reduce the likelihood of a false alarm.
- **Obsidian Black Mirror technology** – Unique, nickel-based, obsidian-like, reflective surface acts as a selective optical filter of infrared energy. It virtually eliminates white light interference and increases detection sensitivity.
- **Extended detection area** – Unique optics enable extended 15m/90° range. It provides wall creep zone coverage with no dead spots. The pet-tolerant model prevents false alarms caused by house pets.

## Unmatched Reliability and Robustness

- **Dual anti-masking** – With an advanced anti-masking mechanism, the TOWER-32AM PG2 issues alerts upon any attempt to mask the PIR or the microwave sensors.
- **Frequency hopping** – Able to hop between frequency bands, the TOWER-32AM PG2 is resistant to almost any radio frequency interference. It also enables long distance communication with the panel even in harsh security environments.
- **Unprecedented, anti-masking protection** – Based on Visonic's active IR transmitter and receiver anti-masking technology, TOWER-32AM PG2 sends IR signals which are reflected back from the surrounding area into the receiver. Any attempt to mask these signals using blocking devices or a spray will activate an alert.

- **Front and back tamper** – An alarm is activated if an intruder tries to open the TOWER-32AM PG2 cover or remove the detector from the wall.
- **V-Slot technology** – This revolutionary, exceptionally small and recessed slot window is extremely strong and well protected against mechanical damage and vandalism.
- **Installer-friendly**
- **Built-in link status LED** – The RF link quality is clearly displayed with a built-in LED, enabling selection of the optimal installation location with no need to physically approach the control panel.
- **Remote configuration** – All parameters can be pre-enrolled and configured from the panel or from the central station without hardware switches or the need to re-open the detector.
- **Remote maintenance** – The TOWER-32AM PG2 can be accessed from a central monitoring station, enabling remote diagnostics and activation of walk tests. This saves truck rolls to customer sites.
- **Prolonged battery life** – Based on the very low power consumption of PowerG technology.

## Specifications

Operating frequencies	....433-434, 868-869, 912-919MHz
Coverage	.....15m (50ft) / 90° with creep zone
Battery type	.....3V lithium CR-123A or 17450
Battery life	.....Five years with typical use
Mounting height	..... 1.8-3m (6-10ft)
RF/Radio technology	.....PowerG
Microwave frequency	..... K-band
Anti-masking	.....Active dual mechanism
Dimensions	..... 115 x 60 x 48mm (4.5 x 2.3 x 1.1in)
Operating temperature	..... -10° to 50°C (14° to 122°F)
Tamper protection	..... Front cover and back
Compliance	... .EN 50131-2-2 (Europe) Grade 3, Class II CFR 47 Part 15, FCC (USA), IC Canada
Optional accessories	... .Wall, corner and ceiling brackets (BR-1, BR-2, BR-3)

## Approvals

CE FC

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