TOWER®-10AM & TOWER-12AM
Industrial Grade 3
Anti-masking Mirror Detectors

Today’s harsh security environments demand uncompromising, robust intrusion detection to protect property against increasingly sophisticated and difficult-to-counter threats. TOWER-10AM (PIR) and TOWER-12AM (dual technology) industrial intrusion detectors from Visonic meet the challenge by employing several revolutionary patented technologies along with ground-breaking design and construction.

They introduce unprecedented detection sensitivity with an extremely large coverage area, anti-vandalism and virtually undefeatable anti-masking capabilities – creating the ideal solution for large industrial, commercial, institutional and government sites, including museums, schools, hospitals, stores, and transportation stations.

» The industrial detection revolution
» Vandal-resistant design - enabled by patented V-Slot® Technology
» Superior range and coverage area - 25m x 30m / 90° (82ft x 100ft / 90°)
» Market-leading black mirror optics - provide exceptionally high detection sensitivity and immunity to false alarms
» Easy installation - with adjustment-free height range of 1.5 - 4m (5 - 13ft)
» Unprecedented, complete anti-masking protection
» Full compliance with EN 50131 Grade 3 standards

For more information, visit: www.visonic.com

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VISONIC LTD. TOWER 10/12AM DATA SHEET ENG-O00544 (Rev.01)
Designed by Lincon Artel
Taking Industrial Intrusion Detection to a New Level

**Patented Technologies**

- **V-Slot® Technology**
  Revolutionary, exceptionally small, narrow and recessed slot window is extremely strong and very well protected against mechanical damage and vandalism.

- **Unique, Robust, Anti-vandal Design**
  - **Ultra-strong, yet sleek and contemporary**
  Unique linear sliding closing mechanism around the full circumference of the detector creates a firm, almost hermetic lock.

- **Market-leading Optics**
  - **Combination of elliptical-parabolic mirror optics**
    Innovative technology creates an exceptionally efficient mirror with extremely high optical gain, delivering longer range and providing excellent detection sensitivity and false alarm immunity.
  - **Obsidian Black Mirror™ Technology**
    Unique, nickel-based obsidian-like reflective surface acts as a selective optical filter to infrared energy; virtually eliminates white light interference.

- **Virtually undefeatable Anti-masking Protection**
  - **Complete IR perimeter shield**
    Dome-like IR shield protects the slot from every angle and direction, including creep zone.
  - **Anti-spray perimeter grooves**
    Produce a diffractive IR beam pattern, providing a virtually unbeatable defense against even spray or lacquer.

**Installer-friendly**

- Easy to install, with no vertical adjustments
- Pre-wiring: plug-in terminals attached to base
- Built-in EOL resistors for Alarm, Tamper and Trouble outputs
- Extended height installation range – 1.5 - 4m (5 - 13ft)
- Masking sensitivity adjustment for challenging installations
- Unique robust enclosure, with a sliding mechanism and captive screw
- Remote controlled “walk test”
- Installer-interchangeable curtain mirror – 35m, 5°
- Pet immunity - special mask included (18kg / 40lb)
- Optional swivel bracket

**Specifications**

- **Operating voltage:** 8 – 16 VDC
- **Standby current drain:** 12mA (TOWER-10AM), 15mA (TOWER-12AM)
- **Alarm & trouble output:** Solid state relay, up to 100mA. ~30 ON resistance
- **Microwave freq. (TOWER-12AM):** 10.625 GHZ (EU/USA) and 10.687 GHZ (UK)
- **RFI protection:** > 20V/m (up to 2000 MHz)
- **Adjustable sensitivity:** 1 or 2 True Motion Recognition events (TMR)
- **Operating temperature:** -20°C to 55°C (~4°F to 131°F)
- **Dimensions (HxWxD):** 160 x 77 x 47mm (6.3 x 3 x 1.8in)
- **Mounting height:** 1.5 - 4m (5 - 13ft) no adjustment needed
- **Mounting accessories:** BR-1, BR-2 and BR-3 brackets
- **Compliance:** Grade 3 EN 50131-2-2 (1GAM), EN 50131-2-4 (2GAM) (Europe)

**Pattern**

- **TOWER-10/12 AM Wide angle**
- **TOWER-10 AM Curtain Coverage**

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*Visonic® For a secure way of life*