

# 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

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VISONIC LTD. TOWER 10/12 AM DATA SHEET ENG C-800356 (Rev. 01)

Designed by Linor Ankri

 **Visonic®**  
For a secure way of life

# 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.



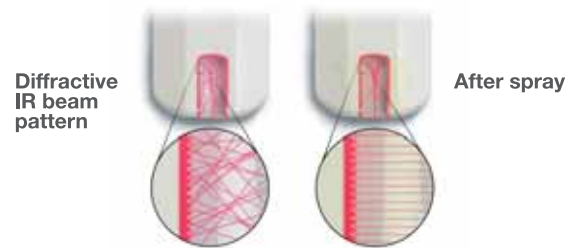
### ▶▶ Virtually undefeatable Anti-masking Protection

#### ▶ 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

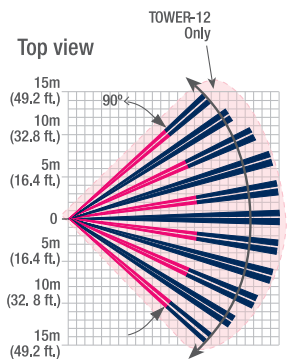
- ▶▶ Easy to install, with no vertical adjustments
- ▶▶ Pre-wiring; plug-in terminals attached to base
- ▶▶ Built-in EOL resistors for Alarm, Tamper and Trouble outputs
- ▶▶ Extended height installation range – 1.5 - 4m (5 - 13ft)
- ▶▶ Masking sensitivity adjustment for challenging installations
- ▶▶ 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

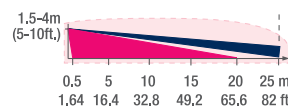
Operating voltage:	8 – 16 VDC
Standby current drain:	12mA (TOWER-10AM), 15mA (TOWER-12AM)
Alarm & trouble output:	Solid state relay, up to 100mA, ~30 ON resistance
Microwave freq. (TOWER-12AM):	10.525 GHZ (EU/USA) and 10.687 GHZ (UK)
RFI protection:	> 20V/m (up to 2000 MHz)
Adjustable sensitivity:	1 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 (10AM), EN 50131-2-4 (12AM) (Europe)

## Pattern

### TOWER-10/12 AM Wide angle



### Side View



### TOWER-10 AM Curtain Coverage

#### Top view



#### Side View



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