



Next DUO

The next evolution of Dual technology detection

Visonic's NEXT Duo advanced dual technology detector is revolutionizing detection in security systems for the home and office, boasting unparalleled robustness in technology, design and operation.

Dual infrared and microwave digital technologies provide total reliability

Advanced 3 "models" selector optimize detection according to room size

Patented True Motion Recognition (TMR™) dramatically reduces false alarms

True digital FM processing ensures industry's foremost detection reliability

3D cylindrical optics eliminates "dead" spots, provides wall creep coverage

Sleek, modern design fits anywhere in the home or office



NEXT DUO True Digital Dual Technology Detector

FEATURES

- Advanced true digital infrared and microwave technologies for long-term stability and reliability (patented)
- 3D cylindrical optics with Target Specific Imaging (TSI) for industry's best catch performance and false alarm protection (patented)
- 12m (40 ft)/90° multiple-curtain coverage with 'wall' creep zone
- Easy installation with remote walk-test
- Compliance with the latest European EN50131-2 standards

Visonic's truly digital dual detectors represent the next generation in microwave and infrared technologies, signal processing and optical lens technology, guaranteeing superior detection accuracy, false alarm immunity and reliability.

The NEXT Duo microprocessor-controlled dual detector incorporates new patent pending Frequency Modulation (FM) Digital Signal Processing (DSP) which eliminates the many types of interference associated with Amplitude Modulation (AM) processing. Visonic's patented True Motion Recognition (TMR™) algorithm and advanced circuitry dramatically reduce false alarms and guarantee superior long-term performance.

To aid installer, Visonic has designed the Next Duo with an advanced "model" selector that can be easily set to one of the three available distances - 6, 9 and 12 meters (20, 30 and 40 ft.) - according to the size of the secured area. This optimizes the signal processing of both the MW and the PIR channels to achieve superior detection without false alarms, and eliminates the need for walk tests to adjust the detector by means of a potentiometer. Visonic's patented 3D cylindrical lens technology with "Target Specific Imaging" (TSI™) extends multiple solid vertical curtain coverage with uniform sensitivity detection over the entire area.

Its sleek and modern design, comprehensive performance and adjustment-free installation make NEXT Duo the ideal detector for residential and small commercial applications.

It provides total reliability through accurate detection performance and unparalleled false alarm immunity.

SPECIFICATIONS

Electrical Input Supply: 9 to 16 VDC / ~20 mA @ 12 VDC

Alarm Output: Solid-state relay, max. 100 mA / 30V, ~30Ω internal resistance.

Event Counter: Selectable, 1 or 2 true motion events

Tamper Contacts: Normally closed, 50 mA / 30 VDC max.

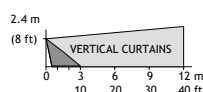
No. of Curtain Beams: 9+5

OPTICAL

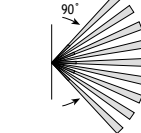
Max. Coverage: 12 x 12m (40 x 40 ft)/90°

Oscillator: Microstrip, DRO-stabilized, 2.45 GHz

SIDE VIEW



TOP VIEW



MOUNTING

Height: 1.8 to 2.4 m (6 to 8 ft) surface or corner

ACCESSORIES

BR-1: Surface mounted swivel bracket, adjustable 30° down and 45° left/45° right

BR-2: BR-1 with a corner adapter

BR-3: BR-1 with a ceiling adapter

ENVIRONMENTAL

Operating Temperature: -10°C to 50°C (14°F to 122°F)

Storage Temperature: -20°C to 60°C (-4°F to 140°F)

RFI Protection: Greater than 30 V/m (20 MHz to 1000 MHz)

PHYSICAL

Size (HxWxD): 94.5 x 63.5 x 49.0 mm

(3-11/16 x 2-1/2 x 1-15/16 in.)

Weight: Approximately 50 g (1-3/4 oz)

PATENTS

U.S. Patent 5,693,943; 6,211,522 and 6,037,902 (other patents pending)

Visonic Ltd reserves the right to change specifications without prior notice.
Full warranty statement available upon request.

All detectors should be made this way!

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