

GUARD

Outdoor/Indoor intrusion detector, combined Double PIR & Microwave technology, Anti-masking (by active Infrared beams), Pet immune and waterproof.

- * 4-dimensional, all-in-one motion detector.
- * Two PIR sensors.
- * Microwave sensor.
- * Waterproof and all-weather resistant.
- * Pet immune.
- * Frontal Anti-masking, by active infrared.
- * Unique 360° Anti-masking, by microwave.
- * Anti-case-shifting, by inertial switch:
Alerts when detector has been shifted.
- * Any adjustment may ALSO execute remotely,
from the control-panel.
- * Lighting immune.
- * Microprocessor controlled.
- * Selectable PIR detection sensitivity.
- * Selectable Microwave detection sensitivity.
- * Selectable detection technology combination (AND/OR).
- * Memory latched input.
- * Wide-angle (120°) field-of-view.
- * Auto temperature compensation.
- * High level of RFI/EMI immunity.
- * Vertical adjustment.

**10 YEARS
WARRANTY**



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What is GUARD ?

GUARD is virtually the best outdoor / indoor motion detector ever presented, for industrial, commercial and residential security.

GUARD has a massive aesthetic design and combines the technologies of Passive infrared, Active infrared and Microwave as well. It is waterproof and all-weather resistant. It alerts in any attempt to damage or disable its operation and it also can be switched to ignore pet.

GUARD combines variety of detection techniques that make it able to work in the most difficult environmental conditions and where high security is required while maintaining unprecedented immunity to false alarms.

Excellent 4-dimensional detection:

The two synchronized PIR sensors produce a three-dimensional thermal imaging of the protected area. Combining the fourth dimension as a microwave scanning contributes to an amazing detection capacity and in the same time it also increases the reliability and immunity to false alarms.

Using this technique allows high sensitivity level adjustment in both detection technologies without the need of pulse count.

Alerts in any attempt to damage or to disable its operation:

In addition to an unprecedented amazing and reliable detection skill, GUARD equipped with unique protection mechanisms against any attempt to damage or to disable its operation.

These following protection mechanisms always work- weather the alarm system is Armed or Disarmed:

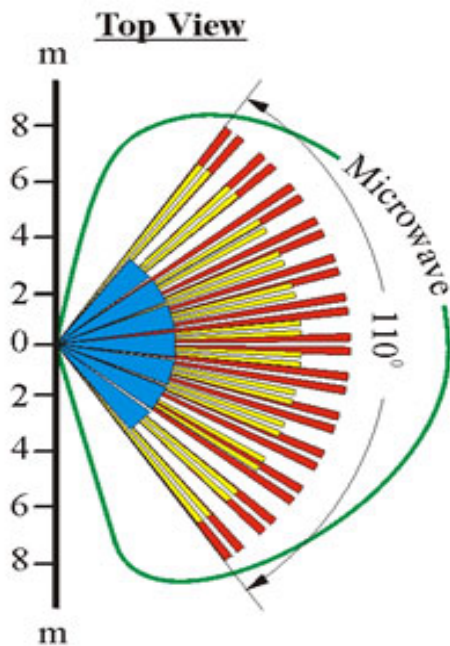
1. Frontal Anti-masking by a continuous active infrared beams scan, against masking the near field-of-view of the detector.
2. Unique 360° Anti-masking by a continuous microwave scan, against approaching the detector from any direction (Switchable).
3. Imposes "OR" mode in distress. If, from any reason, the PIR detection channel is neutralized (for example, the detector's front was masked), the Microwave detection channel will guard the protected area- even if the detector has been adjusted to work in "AND" mode.

moves or turns the detector.
 5. Traditional Tamper switch.

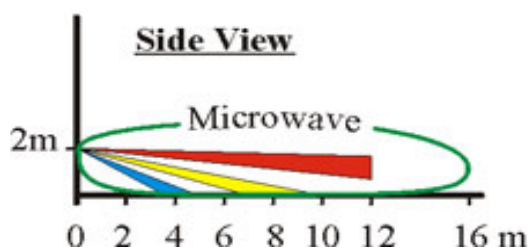
SPECIFICATIONS

* Power Supply.....	10 to 16V DC.
* Current drain.....	24mA @ 12V.
* Alarm contacts.....	Changeover relay (N.C. or N.O.) 0.25A/50V DC, Max.
* Masking contacts.....	(N.C.) 0.1A/28V DC, Max.
* Tamper switch contacts.....	(N.C.) 0.1A/28V DC, Max.
* Warm-up time.....	1 Minute
* Detection speed.....	0.1 ~ 5 m/sec.
* Alarm time.....	2 Sec.
* Response time to masking.....	10 Sec. Maximum
* Masking relay activation time.....	All time of masking (at least 2 Sec.)
* RFI immunity.....	Greater than 20V/M, DC to 1GHz
* Operating temperature.....	(-)20°C ~ 70°C (-4°F ~ 158°F).
* Humidity withstand.....	95%
* Microwave frequency.....	10.525 GHz, 2.4 GHz.
* Dimensions.....	HxWxD 160 x 95 x 59 mm.
* Weight.....	130 gr.

DETECTION PATTERN



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