

HARDWIRED DETECTOR

GUARD Double PIR & Microwave PIR

GUARD is virtually the most advanced and reliable 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. GUARD ignores pet, it is also waterproof and all-weather resistant. GUARD alerts in any attempt to damage or disable its operation.

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



**Complies with
73/23/EC**

Features

- 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 (Option).
- Lighting immune.
- Microprocessor controlled.
- Selectable PIR detection sensitivity.
- Selectable Microwave detection sensitivity.
- Selectable detection technology combination (AND/OR).
- Memory latched input.
- Wide-angle (110°) field-of-view.
- Auto temperature compensation.
- High level of RFI/EMI immunity.
- Vertical adjustment.
- Multi-directional Mounting BRACKET (Option).

Technical 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	Up to 2 Minutes
Masking relay activation time	All time of masking (at least 2 Sec.)
RFI immunity	Greater than 20V/M, DC to 1GHz
Operating temperature	(-)37°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.

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