



## Guard-AV

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

**Ultra reliable**  
outdoor/indoor detector



### INTRODUCTION

**GUARD-AV** is actually the same product as GUARD, but without the Shock & Vibration Sensor.

**GUARD-AV** is an advanced and reliable outdoor / indoor motion detector, for military, industrial, commercial and residential security.

**GUARD-AV** has a massive aesthetic design and combines the technologies of Passive infrared, Active infrared and Microwave as well.

**GUARD-AV** ignores pet, it is also waterproof and all-weather resistant.

**GUARD-AV** combines variety of detection techniques that make it able to detect in very difficult environmental conditions and where high security is required while maintaining unprecedented immunity to false alarms.

### DESCRIPTION

- ▶ **GUARD-AV** is actually the same product as GUARD, but without the Shock & Vibration Sensor.
- ▶ 4-dimensional, all-in-one motion detector.
- ▶ Two PIR sensors.
- ▶ Microwave sensor.
- ▶ Waterproof and all-weather resistant.
- ▶ Pet immune.
- ▶ 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).

**PET IMMUNE** GUARD-AV ignores pet, it is also waterproof and all-weather resistant.





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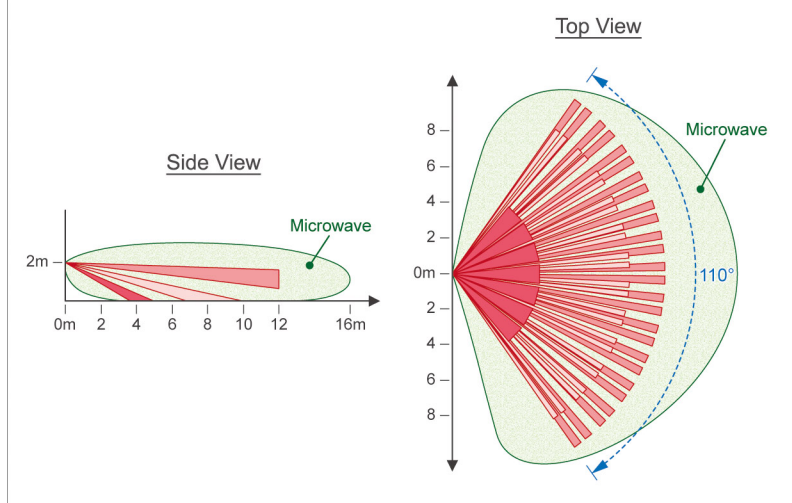
## SPECIFICATIONS

Model	Guard-AV
Power Supply	11 to 14V DC
Current Drain	24mA @ 12V
Alarm Contacts Endurance	Changeover relay (N.C. or N.O.) 0.25A/50V DC (Max)
Masking Contacts Endurance	(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.
Response Time To Masking	Up to 2 Minutes
Masking Relay Activation Time	Time of masking (at least 2 Sec.)
RFI Immunity	(-)37°C ~ 70°C (-4°F ~ 158°F)
Humidity Withstand	95%
Microwave Frequency	10.525 GHz
Dimension (mm)	95(W) x 160(H) x 59(D)
Weight	130 gr.



## DETECTION PATTERNS

DETECTOR'S FIELD-OF-VIEW DIAGRAMS



## 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.

## APPLICATIONS

- Homes
- Villa
- Apartment Blocks
- Residences
- Offices
- Schools
- Courtyards
- Garages
- Hangars
- Car Parks
- Farms
- Agricultural Fields
- Banks
- Plants
- Museums
- Hotels

\* All Specifications / colors are subject to change without notice. (V.01)



### CHECOL TECHNOLOGY LIMITED

TEL / FAX + (852) 2560 7011 / + (852) 2535 6388  
EMAIL mail@checol.com  
ADDRESS G/F, 57 King Yip Street, Kwun Tong, Kowloon, HK

