

Operating & Installation Guide

CURTAIN

Outdoor/Indoor
intrusion detector with
curtain field-of-view



MAXIMUM Security (1984) Ltd.

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FEATURES

- Creates a super narrow protective screen of 3°.
- Combines PIR & Microwave technology (CURTAIN-PM).
- Masking protected (Anti-masking) by active infrared beams.
- Adjustable PIR detection sensitivity.
- Adjustable Microwave detection sensitivity (CURTAIN-PM).
- Selectable detection technology combination: AND/OR (CURTAIN-PM).
- Memory latched input.
- Extremely reliable & highly immune to false alarms.
- Auto temperature compensation.
- Automatic adaptation to background noise.
- A/D signal analyzer.
- Powerful microprocessor controlled.
- SPC - Smart Processing Controller.
- High level of RF/EMI immunity.
- Two "Optomos" relays for lifetime operation.
- 90° Mounting bracket (provided).

CONGRATULATIONS

We thank you for choosing a product of **MAXIMUM Security (1984) Ltd.** Based on over 25 years experience in R&D and in production of advanced security systems, we are proud to introduce to you the best Outdoor / Indoor motion detector ever presented, for industrial, commercial and residential security.

To ensure proper operation and maximum use of all its benefits, please read all parts of this installation and operating manual, and follow the step-by-step instructions.

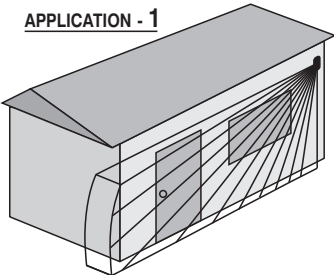
INTRODUCTION

CURTAIN creates a super narrow protective screen of 3° (like a curtain) to secure openings and open fields against intruders. This type of protection allows free movement of people within the protected site- without setting off an alarm. **CURTAIN** is waterproof and can be installed outdoors or indoors.

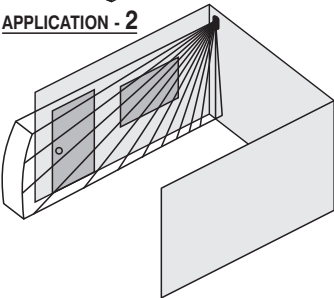
In addition to an unprecedented amazing and reliable detection capability, **CURTAIN** is equipped with excellent protection against any attempt to disable its operation by blocking (masking) its near field-of-view, whether the alarm system is Armed or Disarmed (*Anti-masking protection*). The protection against masking the near field-of-view of the detector is achieved by a continuous active infrared beams scan. **CURTAIN** will detect almost any type of material that blocks (masks) its near field-of-view. It will also detect transparent objects such as clear glass and plastic bags. It will activate an alert even if its lens was sprayed with paint or covered by a sticker.

CURTAIN-PM combines two detection technologies- Microwave and Passive Infrared (PIR), and verifies any intrusion by both methods. An advanced and unique algorithm enables it to work in the most difficult environmental conditions and where high security is required, while maintaining unprecedented immunity to false alarms.

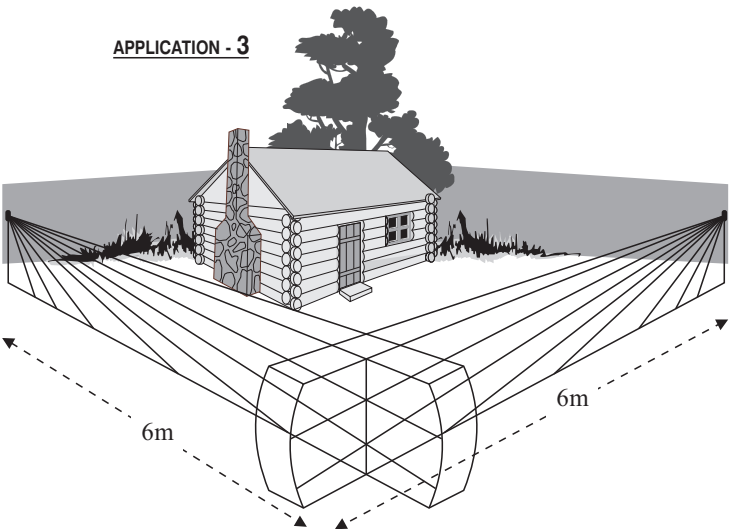
APPLICATION - 1



APPLICATION - 2



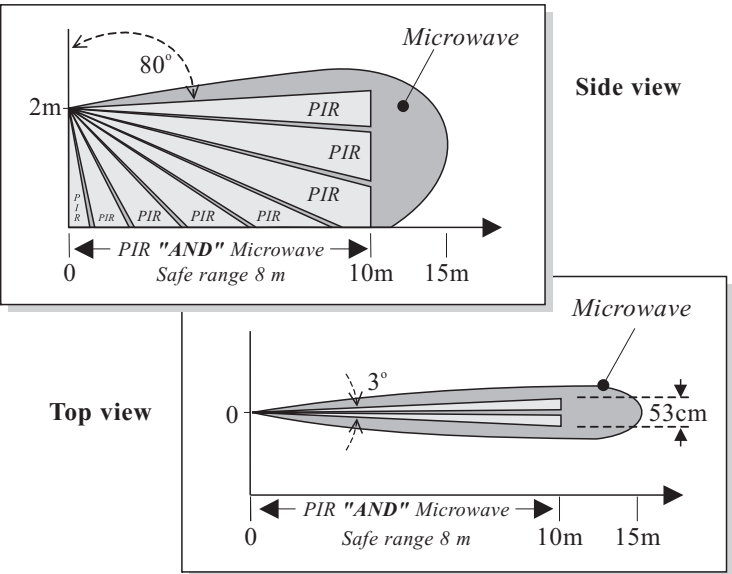
APPLICATION - 3



CRUCIAL NOTES

- At least one detector per open should be installed.
- The protected area must be protected by additional detection means and internal detectors.
- As all other products, this product can be cheated and defeated as well.
- This product, as any other, may go out of order or damaged during normal use or a result of vandalism.
- A full proper activity and performances of this product should be checked on a weekly basis by a person qualified by the manufacturer and received its written permission for that.

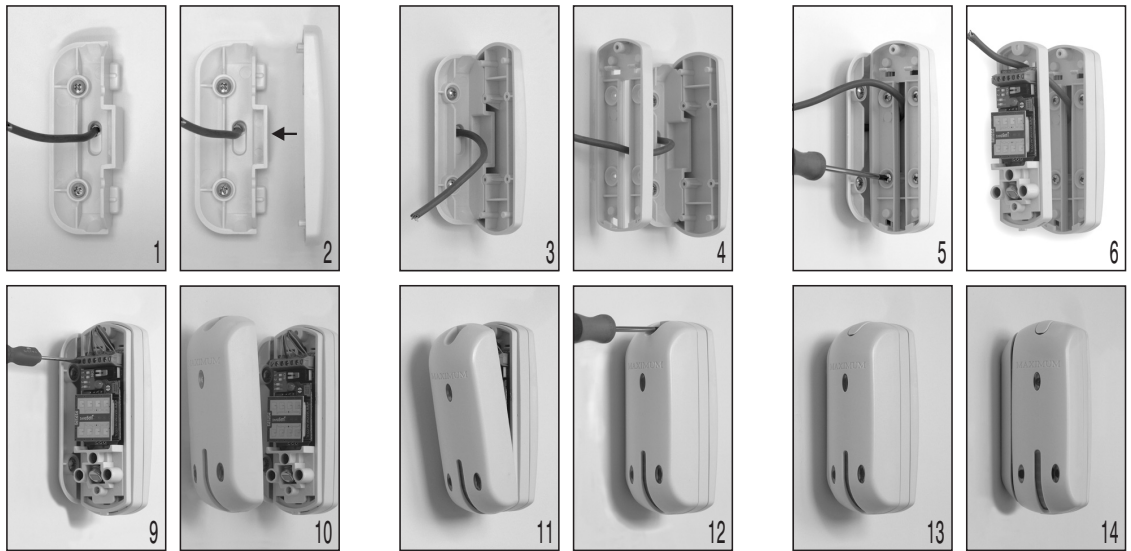
DETECTOR'S FIELD-OF-VIEW DIAGRAMS



CURTAIN-PM operates its relays and LED indicators according to the type of detection as follows:

TYPE OF DETECTION	LED INDICATORS	RELAY STATUS
Alarm- True motion detection	Red + Green Blinking simultaneously	ALARM relay will activate for 2 seconds.
P.I.R. Detection	Red	No relay will operate
Microwave detection (model CURTAIN-PM only)	"AND" mode Green	No relay will operate
	"OR" mode Red + Green Blinking simultaneously (During masking only!)	ALARM relay will activate for 2 seconds (During masking only!)
Anti-masking detection	Orange Blinking	If masking persists for more than 90 seconds, the orange LED will glow continuously, and the "MASK" relay will operate for at least 2 seconds and for as long as the masking exists

MOUNTING PROCESS OF CURTAIN USING ITS 90° MOUNTING BRACKET



MOUNTING PROCESS OF CURTAIN WITHOUT USING ITS 90° MOUNTING BRACKET

