

# MAXIMUM CURTAIN

Waterproof outdoor/indoor intrusion detector with curtain field-of-view.  
PIR sensor + Microwave sensor + Anti-masking.

## 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 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.

- Creates a super narrow protective screen of 3°.
- Combines PIR & Microwave technology.
- Masking protected (*Anti-masking*) by active infrared beams.
- Adjustable PIR detection sensitivity.
- Selectable Microwave detection sensitivity.
- Selectable detection technology combination: AND/OR.
- Memory latched input.
- Waterproof and all weather resistance.
- 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.
- Two “Optomos” relays for lifetime operation.
- [90° Mounting bracket \(provided\)](#).



## Specifications

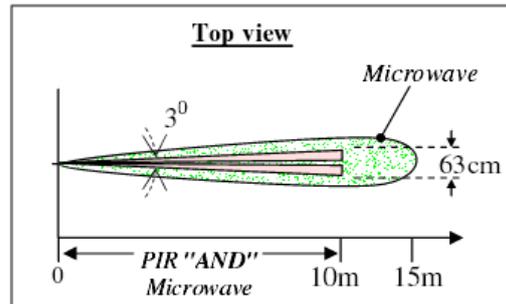
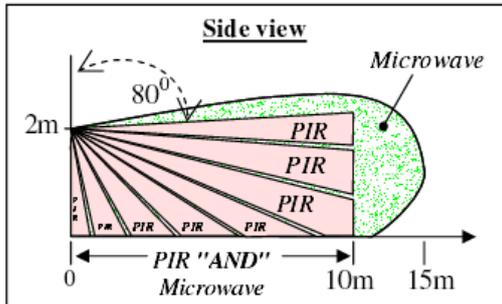
Power Supply	9 to 14V DC.
Current drain	Standby: 20mA (Max.); Operation: 30 mA (Max.).
Alarm contacts endurance	(N.C.) 15V DC / 20 mA.
Masking contacts endurance	(N.C.) 15V DC / 20 mA.
Tamper switch contacts	(N.C.) 15V DC / 20 mA.
Warm-up time	1 Minute
Detection speed	0.1 ~ 5 m/sec.
Alarm time	2 Seconds
Response time to masking	90 Seconds (Max.)
Anti-masking relay activation time	As long as Masking persists (at least 2 seconds)
RFI immunity	Greater than 20V/M, DC to 1GHz
Motion detection coverage	10 meter, 3°
Operating temperature	(-)37°C ~ 70°C (-4°F ~ 158°F)
Humidity withstand	95%

Microwave operating Frequency  
Dimensions  
Weight

24.125 GHz (Optional 2.4 GHz.)  
104 x 35 x 35 mm (HxWxD)  
80 gr.

### DETECTION PATTERNS

#### DETECTOR'S FIELD-OF-VIEW DIAGRAMS for model *CURTAIN-PM*



#### DETECTOR'S FIELD-OF-VIEW DIAGRAMS for model *CURTAIN-P*

