



## DOUBLE-TEC

Dual technology, PIR & Microwave, intruder detector with Anti-masking

**Ultra reliable**  
outdoor/indoor detector



### INTRODUCTION

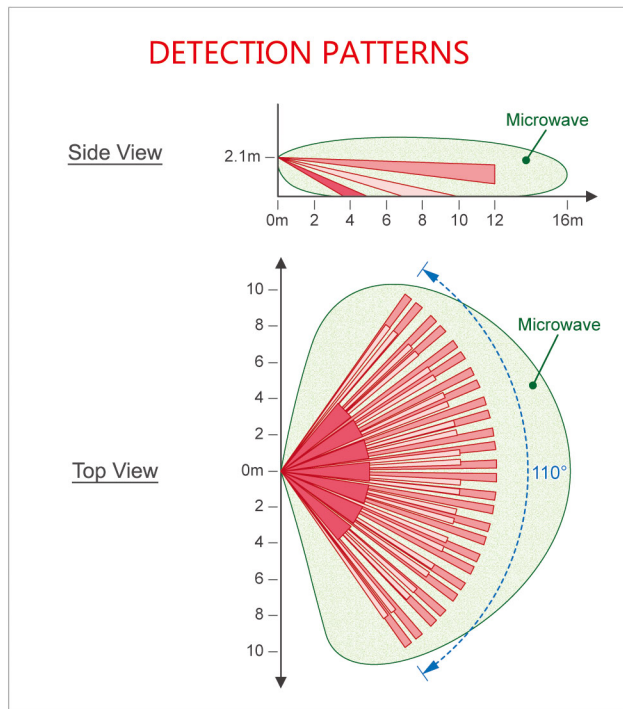
DOUBLE-TEC combines two detection technologies, Microwave and passive Infrared.

In detection logic AND, DOUBLE-TEC gives an alarm just after it verifies the detected intrusion by means of both technologies, which extremely reduce the chance for false alarm! By using this technique, a high sensitivity level may be adjusted in both detection technologies without the need of pulse count.

### DESCRIPTION

- ▶ Combined PIR & Microwave.
- ▶ Anti-masking, by Microwave- detects moving objects towards detector's close front.
- ▶ Doesn't detect spray, stickers or any other static obstacles (model 3D ANTI-MASK does).
- ▶ Adjustable PIR and Microwave detection sensitivity.
- ▶ Selectable detection technology combination (AND/OR).
- ▶ Memory latched input.
- ▶ Wide-angle (110°) field-of-view.
- ▶ Auto temperature compensation.
- ▶ Automatic adaptation to background noise.
- ▶ Extremely reliable & highly immune to false alarms.
- ▶ A/D signal analyzer.
- ▶ Powerful microprocessor controlled.
- ▶ SPC – Smart Processing Controller.
- ▶ High level of RFI/EMI immunity.
- ▶ Wall, ceiling or corner mounting.

### DETECTION PATTERNS



### SPECIFICATIONS

Model	DOUBLE-TEC
Power Supply	8 to 15V DC
Current Drain	30mA @ 12V
Alarm Contacts Endurance	(N.C.) 0.1A/24V DC (Max)
Anti-masking Contacts Endurance	(N.C.) 0.1A/24V DC (Max)
Tamper Switch Contacts	(N.C.) 0.1A/24V DC (Max)
Warm-up Time	2 minutes
Alarm Time	2 Seconds
Anti-masking Relay Activation Time	2 Seconds
Detection Speed	0.1 ~ 5 m/sec.
RFI Immunity	Greater than 20V/M, DC to 1GHz
Microwave Frequency	10.525 GHz
Operating Temperature	(-32°C ~ 70°C (-4°F ~ 158°F))
Dimension (mm)	70(W) x 105(H) x 52(D)

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