

SIM-110

Quad PIR & Microwave Outdoor Detectors

The SIM-110 is unique Passive Infra-Red and Microwave detector for outdoor and harsh environment applications.

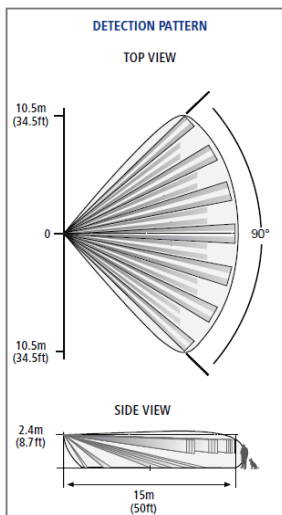
The SIM-110 is designed for outdoor usage in most severe and extreme acclimate conditions that may also accommodate pets. This special optics combined with MW Doppler sensor assures elimination of “false alarms” while maintaining high security standards for large areas.



PRODUCT FEATURES

- Quad Element Pyro sensor
- X-Band 10.525GHz/10.687GHz
- Form C (NC, NO, Common)
- IP65 rated
- 15m WA detection
- Relay contacts rate: 28Vdc, 0.1A
- Up to 55kg Pet immunity
- EN 50131 Certified Grade 2

DETECTION PATTERN



SPECIFICATION

Detection Method	PIR AND MW	
Microwave Frequency	X-Band (10.525 GHz)	
Power Input	9.6 to 16Vdc	
Current Draw	Active: 24mA (±5%)	Standby: 21mA (±5%)
Temp Compensation	Yes, Dual slop temperature compensation	
Alarm Period	2 sec (±0.5sec)	
Alarm Outputs	Form C (NC, NO, Common) 28Vdc 0.1 A with 10 Ohm	
Tamper Switch(s)	Two Switches N.C 28Vdc 0.1 A with 10 Ohm Series protection resistors Opens when cover is removed from unit's base	
Warm up Period	30sec (± 5sec)	
LED Indicator	All LEDs are ON during ALARM	
RF Immunity	10 V/m plus 80% AM from 80 MHz to 2GHz	
Electrostatic Immunity	6kV contact, 8kV air	
Transient Immunity	1kV	
Operation Temp	-35°C ~ +55°C	
Dimensions	175mm x 70mm x 45mm	
Weight	210gr	
Part Number	0012960	

STANDARD COMPLIANCE

EN50130-4
EN50130-5
EN50131-1,
EN50131-2-4
Security Grade 2, Environmental Class II