

IDS-9000

Dual Technology Intrusion Detection System



Combination Microwave / Active Infrared Detection

ABSOLUTE is a dual technology detection system enclosed in extruded aluminum columns. ABSOLUTE is ideally suited for security applications in large-scale civil, military, correctional or commercial facilities which require a high degree of perimeter security and access control.

Combined microwave technology and infrared sensors reduce false alarms in a neat design, ABSOLUTE ensures high performance intrusion detection.

ABSOLUTE is easily integrated with other sensor technologies in a complete perimeter security system. Dry contacts are provided for easy integration and expansion.

Single And Dual Activation Modes

In extreme weather conditions, such as heavy rains, snowfall or fog, when signals are attenuated, ABSOLUTE's automatic de-activation module disconnects infrared sensors. In this de-activation mode, microwave beam sensitivity is decreased automatically and the system functions using a single technology.

Expandability Integration

The ABSOLUTE unit is equipped with two pairs of active infrared sensors and one microwave transmitter or receiver mounted on 2-meter high columns. The system is expandable on customer's request, using columns up to 4 meters in height and up to 6 beams.

Israeli Parliament House





Minimum False / Nuisance Alarms

False alarms are often caused by external, environmental, atmospheric conditions or by the movements of animals. ABSOLUTE uses a unique combination of complementing microwave and infrared technologies to ensure extremely low false/ nuisance alarm rates. Genuine intrusion attempts are identified by the dual activation of infrared signals and microwaves.

		Conventional IR beams	Conventional Microwaves	ABSOLUTE Dual Technology
	SMALL ANIMALS	FALSE ALARM	OK NO ALARM	OK NO ALARM
	LEAVES PASSING BY THE WAY	FALSE ALARM	OK NO ALARM	OK NO ALARM
	SUNLIGHT REFLECTIONS	FALSE ALARM	OK NO ALARM	OK NO ALARM
	FOG	FALSE ALARM	OK NO ALARM	OK NO ALARM
	HEAVY RAINS	FALSE ALARM	OK NO ALARM	OK NO ALARM
	HEAVY SNOW	FALSE ALARM	OK NO ALARM	OK NO ALARM
	HIGH FREQUENCY SIGNALS	OK NO ALARM	FALSE ALARM	OK NO ALARM
	FENCE SIGNAL REFLECTIONS	OK NO ALARM	FALSE ALARM	OK NO ALARM

Captions:

- IR Beam
- Microwave
- CC TV
- General Convergence Diagram
- Microwave beam
- Infrared beam



IR BEAM



MICROWAVE



CC TV

