



The Microguard™ MW310 is a Microprocessor controlled PIR and digital microwave barrier. This professional quality sensor can be used in harsh environments, automatically compensating for environmental factors throughout its operating range.

The sensor combines passive infra-red PIR with dual microwave (transmitter and receiver) in a single unit providing a sensitive 3D volumetric protection zone of up to 11m



BARRIER SYSTEM

An intruder entering the protected zone will immediately be detected by the MRD technology and an alarm will be generated. It will detect an intruder walking, running, or crawling through the protection zone.

MOTION RECOGNISABLE TECHNOLOGY

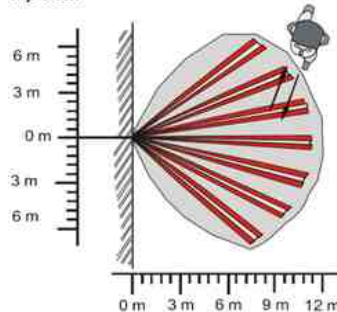
The Dual Microwave displacement technology adopts cutting-edge Phased Array Radar technology to analyse and recognise the shape and relative displacement speed of any intruding objects. It can accurately determine the difference between a moving person and a swaying plant thus preventing false alarms.

ANTI-MASK TECHNOLOGY

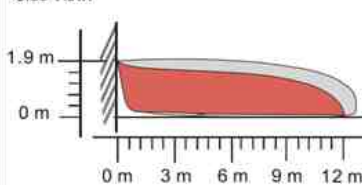
Anything blocking the sensor will not affect the sensitivity or range of detection. Sensitivity is adjustable from 2m – 11m



Top View:

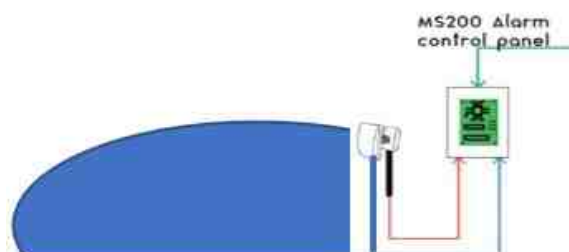


Side View:



EASY INTEGRATION

The MW310 can be easily integrated with a third party control panel using a dry contact relay output. It can also be integrated with our Multisys Security Management Software.



TECHNICAL SPECIFICATIONS

Product Number	
MW310 11m Tri-tech Outdoor Sensor	MS200 Multisys Alarm Input/Output Unit
	FS120 DC Power Supply

MW-310 Microguard™	Tri-Tech Outdoor Sensor	
Product Detail	Microwave frequency	10.525 GHz
	Product Protection Range	11m x 11m
	PIR	Seven curtain mirror optic
	Power Supply	9.5 - 15 volts DC
	Current consumption	9mA
	Alarm Relay	NC contacts, 30v DC, 150mA
	Alarm time	2ms
	Tamper Switch	NC contacts, 60v/150mA
	RF Immunity	>52V/m, 10MHz - 1,000MHz
	White Light Immunity	52,000 lux/m
	Pet Immunity	Below 35kg
Environmental	Operating temperature	-25 C - +55 C
	IP rating	Waterproof IP55 rated
	Dimension	152*75*55 mm
	Weight	240g
Compliance	CE, FCC, ISO9001	

Advanced Perimeter Systems Limited

16 Cunningham Road, Springkerse Industrial Estate, Stirling FK7 7TP, Scotland UK

☎ UK +441786479862 ☎ USA+13203219412

www.advancedperimetersystems.com