



The **Radon MRS** detector is a linear barrier based on X-band microwave technology. It comprises a transmitter and a receiver unit, which create a perimeter protection with coverage up to 300 m. It is very simple to install, but it has high security performances. The microwave signal is digitally converted and analyzed by a microprocessor with an efficient and innovative algorithm.

The dimensions of the detection zone vary according to the distance between receiver and transmitter units and according to sensitivity settings. The barrier is able to optimize automatically all the working parameters properly to the environment conditions. The detector has 4 adjustable frequency modulated channel, to prevent any disturbance or interference caused by microwave reflection.

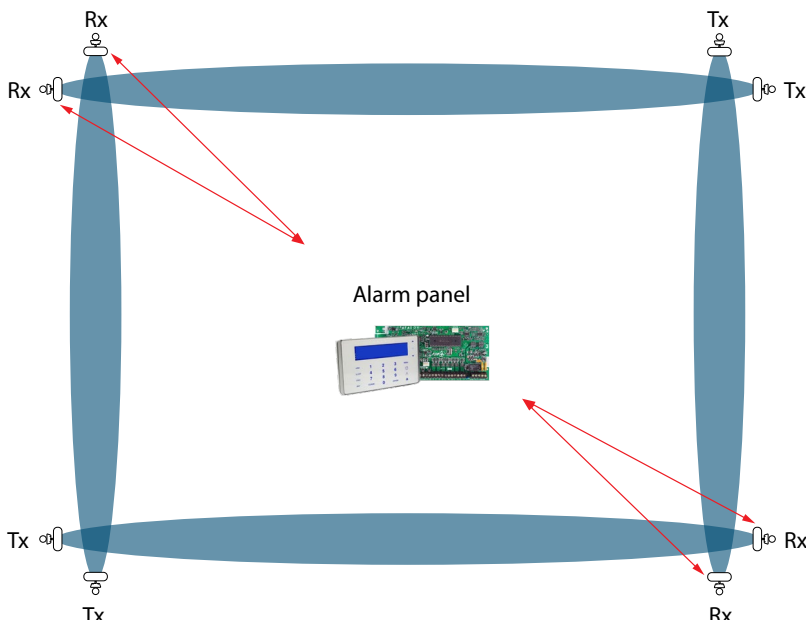
Radon MRS is designed expressly to work in all weather conditions with continuous round-the-clock operation. The barrier has very wide operating temperature range of -40°C - $+65^{\circ}\text{C}$, and continuous to function effectly even in conditions of rain (up to 40 mm/hour) or wind (up to 30 m/s).

The transmitter and receiver units are already mounted on adjustable supports to be fixed on a wall or pole.

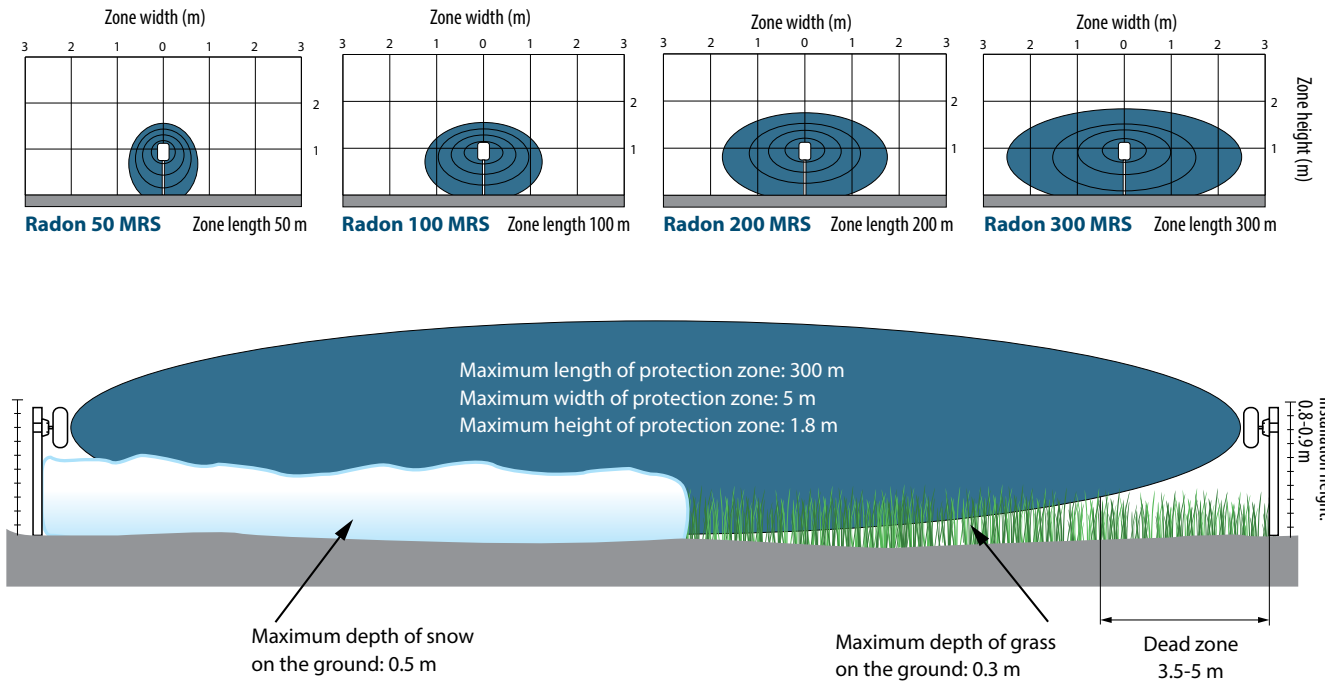
MAIN FEATURES

- RANGE: 50/100/200/300 M
- 10,5 GHZ OPERATION FREQUENCY
- 4 DIFFERENT FREQUENCY MODULATED CHANNELS
- PLUG AND PLAY INSTALLATION
- 1 NC ALARM OUTPUT
- 1 NC TAMPER OUTPUT
- OPERATION IN ALL WEATHER CONDITIONS

TYPICAL RADON CONFIGURATION INSTALLATION



MAIN INFORMATIONS OF THE DETECTION ZONES



TECHNICAL FEATURES

Detection range	50 / 100 / 200 / 300 m
Detection zone height	1,6-1,8 m
Detection zone width	1,5 / 2,5 / 3,5 / 5 m
Clear zone width	3 / 5 / 7 / 10 m
Detectable intruder speed	0,1-10 m/s
Power supply	9-30 VDC
Current consumption	60 mA (RX), 60 mA (TX)
Operation frequency	10,5 GHz
Channels	4 (frequency modulated)
Outputs	1 NC alarm output, 1 NC tamper output
Operating temperature	-40 – +65 C°
Protection	IP 65