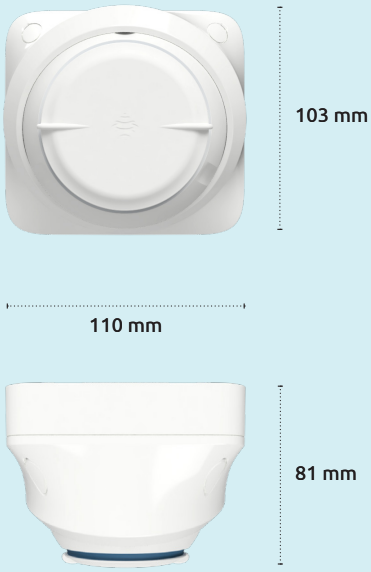
MSK-101

INTELLIGENT MOTION SENSOR

MSK-101



MSK-101 DIMENSIONS



Main advantages of Inxpect radar technology

The MSK series intelligent motion sensors are based on FMCW radar technology, the radar technique developed in the military and aerospace sectors, now successfully used in the automotive market, and which guarantees optimal performance in motion detection and tracking.

Thanks to the innovative Inxpect technology, the MSK-101 sensor represents a leap forward with respect to traditional microwave or passive infra-red sensors, guaranteeing unrivalled performance in intrusion detection while minimising false positives due to small animals or variable weather conditions. Unlike traditional motion sensors, thanks to its advanced architecture, the MSK products calculate in real time the distance of the moving target, and estimate the weight.
The signal processing algorithm adopted by Inxpect enables filtering of the motion generated by pets, birds and insects, resulting in a drastic reduction of false alarms. Thanks to the ability to deliver motion signals to any alarm control panel within two configurable areas, MSK-101 can significantly increase the level of security in all anti-intrusion systems.



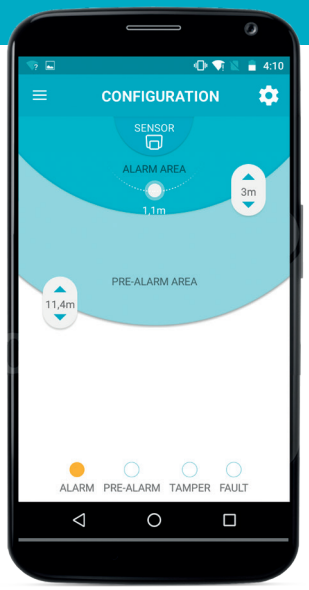
1 2 3

Security, compact size, flexibility, and ease of installation



Thanks to its ingenious design, MSK-101 can be mounted on the wall or ceiling, without the need for additional accessories. The back plate acts as a multi-standard adaptor for the main types of recessed electrical cabinets, according to standards adopted in Italy, the UK, France Germany and USA. Assembly of the MSK-101 sensor takes just a few minutes, in any installation configuration.

The Inxpect motion processing algorithm offers installers complete flexibility with the option of configuring alarm and pre-alarm areas up to a maximum of 20 metres, with centimetre precision, sensitivity and modes for notifying the alarm control panel of pre-alarm , tampering and fault signals. Inxpect eliminates the need for wires, dip-switches or faulty potentiometers: with the Inxpect mobile app, available free for Android and iOS systems, configuring MSK sensors is simple and quick.



Main features

Model	MSK-101
Use	Motion sensor with watertight case
Detection	Motion processing algorithm based on FMCW radar technology at 24GHz
FOV	Max 90° horizontal / 30° vertical *
Maximum distance (person detection)	20* metres outdoor 30*metres indoor ***
Assembly height	From 1.5 to 3 metres
Detection speed	>0.05 m/sec
Alarm indicator leds	Led on when in alarm (switchable to off).
Outputs	4 programmable solid state relays - NC or NO. Default configuration: alarm (N.C.), pre-alarm, tamper, fault.
Heating interval	Less than 1 second
Electrical data	12VDC +/- 25%, 100mA (max) at 12VDC
Weight	270 g
Operating temperature	-40/+70 °C
Case material	Technopolymer
Certification	CE, including ID FCC: UXS-SMR-3X4, tested by UL according to the standard EN-50131-2-3 Grade 3 Envir. class IV
IP protection degree	IP66+IP68

* The parameters shown may change depending on the sensor calibration

*****Firmware update available for coverage up to 30 m indoors.**

Order codes

ARTICLE	APPLICATION	PACK
MSK-101	Volumetric motion sensor IP68, 4 programmable relay outputs	1 pc
MSK-101-BM	Barrier bracket for MSK-101	2 pc
WSYNC-RJ-BT5	BT5 configuration dongle for MSK and VAS devices + VAS connection cable + MSK dongle holder + MSK connection cable	1 pc