INXPECT

INXPECT SECURITY PRODUCTS

MSK-101

Intelligent motion sensors



The **MSK-101** is an advanced motion sensor and tracker for high-security intrusion detection applications.

Equipped with Inxpect's proprietary motion processing engine, the MSK-101 provides superior pet immunity, excellent robustness to temperature changes, adverse weather conditions, dust, smoke and debris.

Compatible with all alarm panels, with a stylish, Italian designed IP67 enclosure and programmable output relays, the MSK-101 represents the best choice for protecting indoor and outdoor high-security areas.

The MSK-101 is proudly engineered, designed and made in Italy by Inxpect.



ADVANTAGES OF INXPECT RADAR-BASED TECHNOLOGY

Inxpect MSK series smart motion detectors are based on FMCW radar technology, a proven technique that guarantees best in class performance at detecting and tracking motion.

Thanks to Inxpect's proprietary system design, the MSK-101 goes far beyond what conventional "radars" can do, and delivers unmatched performance at detecting intruders while minimizing false positives due to small animals or varying environmental conditions. Unlike traditional motion detectors based on infra-red or microwaves, thanks to its advanced architecture, MSK series products can compute in real time the distance of the moving target, and estimate its size. Inxpect's signal processing algorithms allow the MSK-101 to filter out motion generated by pets, birds and pests, resulting in a dramatic reduction of false alarms. With its ability of signaling to any panel motion happening in three configurable area ranges, the MSK-101 can dramatically improve the security of any intrusion detection system.

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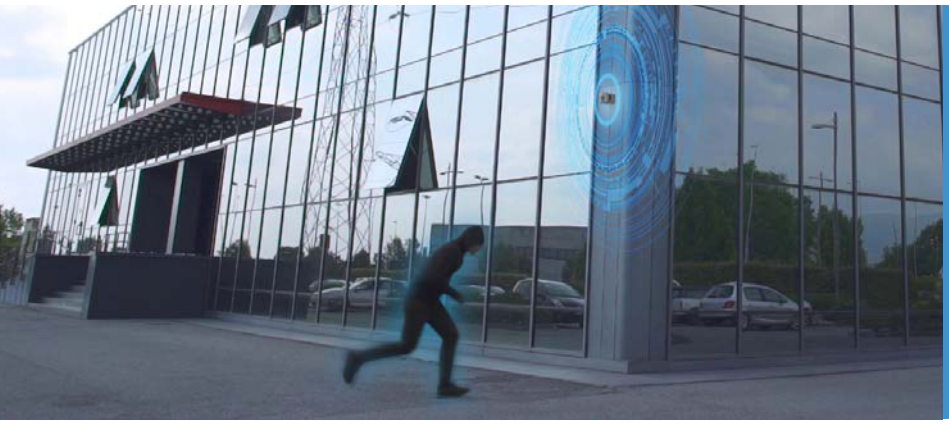
SECURITY, FLEXIBILITY AND EASE OF INSTALLATION IN ONE SMALL PACKAGE



Thanks to its ingenious design, the MSK-101 can be installed on walls or on ceilings, without the need of additional accessories. Its back plate doubles as a multi-standard adapter for the most popular kinds of electrical wall boxes, for US, UK, German, French and Italian standards. Mounting an MSK-101 will just require a few minutes, in any installation settings.



Inxpect's motion processing engines give installers full flexibility with setting alarm and pre-alarm ranges of up to 25m/82ft with an accuracy of 30cm/1ft, sensitivity, and how alarm, pre-alarm, tamper and fault signals are signaled to the panel. Forget about cords, dip switches or faulty potentiometers: with the free Inxpect mobile app for Android and iOS, configuring MSK sensors is easy and straightforward.

SUMMARY OF FEATURES

Model	MSK-101
Usage	Indoor or outdoor motion sensor
Detection method	Inxpect motion processing engine based on FMCW radar at 24GHz
FOV	90deg Horiz / 30deg Vert
Maximum range (detection of persons)	25m | 82ft, configurable in 30cm/1ft steps
Mounting height	1.5 to 2.5m | 4 to 8ft
Detection speed	> 0.05 m/sec | 2 in/sec
LED alarm indicator	Led on when in alarm (switchable to off)
Relay output	4 solid state relays, programmable N.O/N.C. Default configuration: N.C. (tamper, fault, pre-alarm, alarm).
Warm up period	Under 1 sec
Electrical	12VDC +/- 25%, 100mA (max) at 12VDC
Weight	150g
Operating temperature	-40/+60 °C | -40/+140 °F
Case material	Technical polymer
Certifications	CE, Contains FCC ID: UXS-SMR-3X4, compatible with EN 50131-2-3 Grade 3, Class IV
Environmental rating	IP67



103mm
4.06in

110mm
4.33in



81mm
3.19in

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