



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

Equipped with Inxpect's proprietary motion processing engine, the MSK-101-MM 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 IP66+IP68 enclosure and programmable output relays, the MSK-101-MM represents the best choice for protecting indoor and outdoor high-security areas.

**The MSK-101-MM is 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-MM 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-MM 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-MM can dramatically improve the security of any intrusion detection system.



## SECURITY, FLEXIBILITY AND EASE OF INSTALLATION IN ONE SMALL PACKAGE



Thanks to its ingenious design, the MSK-101-MM 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-MM 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 20m/66ft 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-MM  |
|--------------------------------------|---|
| Usage                                | Indoor or outdoor motion sensor   |
| Detection method                     | Inxpect motion processing engine based on FMCW radar at 24GHz   |
| FOV                                  | Max. 90deg Horiz / 30deg Vert [1]   |
| Maximum range (detection of persons) | 20m   66ft, configurable in 30cm/1ft steps  |
| Mounting height                      | 1.5 to 3m   4.9 to 10ft [2]   |
| 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, 100mA (max)  |
| Weight                               | 271g   9.56oz   |
| Operating temperature                | -40/+70 °C   -40/+158 °F  |
| Case material                        | Technical polymer   |
| Certifications                       | CE - Contains FCC ID: UXS-SMR-3X4 - Tested by UL according to EN 50131-2-3 Grade 3, Class IV - UL639 listed |
| Environmental rating                 | IP66+IP68   |



110mm  
4.33in



103mm  
4.06in

81mm  
3.19in



[1] The Field of View becomes 30deg Horiz / 90deg Vert max. when mounted in barrier mode. The FOV will change depending on the pet tolerance settings.

[2] Mounting heights as low as 0.5m | 1.7ft are possible, but with much reduced pet tolerance.