

unum

PIR Motion Detector
KSI5101000.300



INTRODUCTION

The PIR Motion Detectors unum are professional state-of-the-art motion sensors engineered with the world's best components and materials. Every aspect of these sensors provides the most reliable motion sensing with freedom from false alarms. Additionally the UNUM series introduces in the market the only detectors with trendy invisible lens, i.e. the lens integrated into the front cover thanks to E.L.T.[™] (Embedded Lens Technology) which takes advantage from decades of experience in designing professional lens by adopting its own material to design the entire cover too. DT Motion Detectors UNUM include two motion sensing systems: microwave Doppler motion sensing and PIR motion sensing. Together, the two systems' signals are evaluated by proprietary signal processing algorithms, which reject false alarm conditions while detecting intruders.

MAIN FUNCTIONS

ALARM PROCESSING

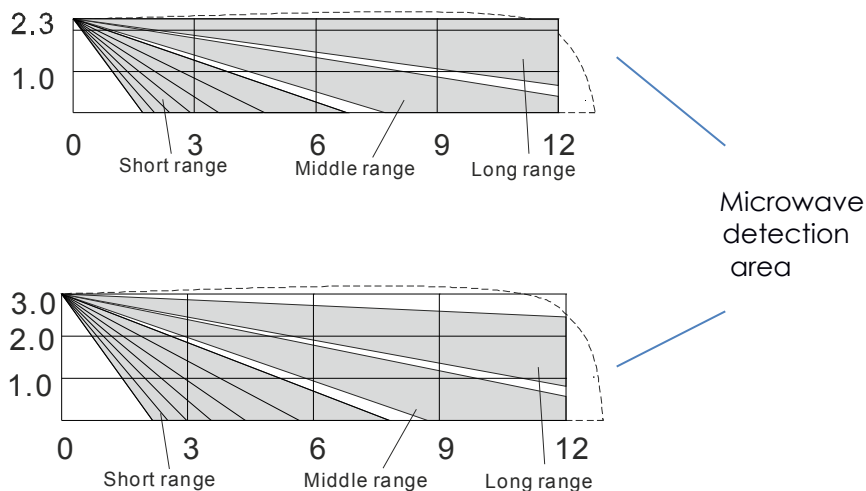
Dual-element detector fields-of-view alternate between (+) and (-) polarity. HighBar[™]-qualified signal events are counted as "pulses" exclusively when polarity alternates. Depending on sensitivity setting, (+,-), (-,+), (+,-,+) or (-,+,-) will cause an alarm.



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Range: 12 meters

Sensor Optical Pattern (side view, in meters)

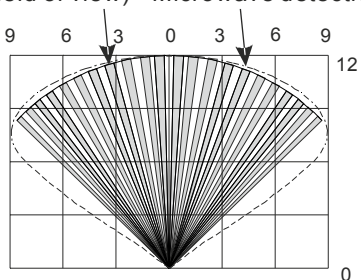


Optical fields of view:

Long Range	Mid-range	Short-range
44	36	18

Sensor Optical View Pattern (top view, in meters)

One FOV (field of view) Microwave detection area



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TECHNICAL DATA

- **IR Sensor:** Dual-element Pyroelectric
- **Power Supply:** 8-16 Vdc; 38 mA at 12 Vdc
- **Alarm Relay:** Solid state, 60V, 50 mA, 1500 Vrms isolation
- **Tamper Switch:** FormA (NC). 50 mA at 30 Vdc
- **Events Detection:** HighBar™ false alarm rejection processor
- **RF Immunity:** 20 V/m, 10-1000 MHz; 10 V/m, 1-2 GHz
- **White Light immunity:** 6500 lux
- **Sensitivity:** Selectable: 2-events or 3-events
- **Operating Temperature Range:** from -10°C to +55° C (+14°F to 131°F)
- **Housing Material:** Base: ABS Front: HDPE
- **Dimensions:** 113 x 60 x 45 mm (H x W x D)
- **Weight:** 95 gr.

HOW TO ORDER

Ksenia P/N

KSI5101000.300

PARTS INCLUDED

PRODUCT CODE	NUMBER	DESCRIPTION
KSI5101000.300	1	Motion Detector
	1	Installation manual in IT / EN / FR

ACCESSORIES

PRODUCT CODE	NUMBER	DESCRIPTION
KSI5900000.000	1	Mounting Bracket

CERTIFICATIONS

COUNTRY	CERTIFICATION
Europe	RoHS CE EN 300 440 EN50131-2-4 Grade 2

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ENVIRONMENTAL CARE

unum PIR has been specifically designed and manufactured for the environmental respect as follows:

- No PVC
- Halogen free laminates and lead-free PCBA
- Low consumption
- Packaging realized mainly with recycled fibers and materials



we care