

PIR- Motion Detector series unum™



The PIR Motion Detectors unum™ are professional state-of-the-art motion sensors engineered with the world's best components and materials. 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. The PIR side starts with a EvenEye™ lens and a top-quality infrared detector. Next, a modern DSP ASIC (patent-pending) converts the infrared detector signal into digital form, for best reliability and stability. Finally, the signal is evaluated by the ASIC's HighBar™ processor, for "best-in-class" false alarm rejection with excellent intruder detection.

MAIN FUNCTIONS DESCRIPTION:

ALARM PROCESSING

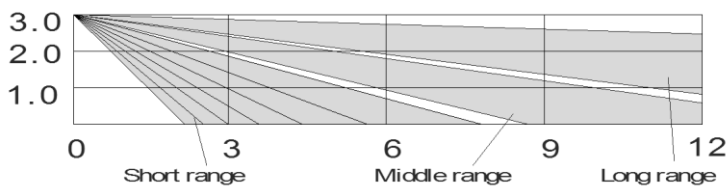
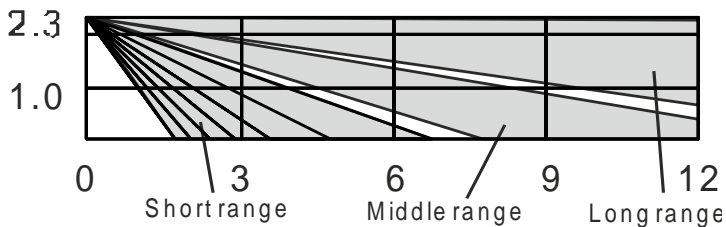
Dual-element detector fields-of-view alternate between (+) and (-) polarity. HighBar™-qualified signal events are counted as "pulses" exclusively when polarity alternates. Depending on sensitivity setting, (+,-), (-,+), (+,-,+) or (-,+,-) will cause an alarm.

DATA SHEET

PIR- Motion Detector series unum™

Range: 12 meters in sensor-facing direction
12 meters at 45° angle from sensor-facing direction

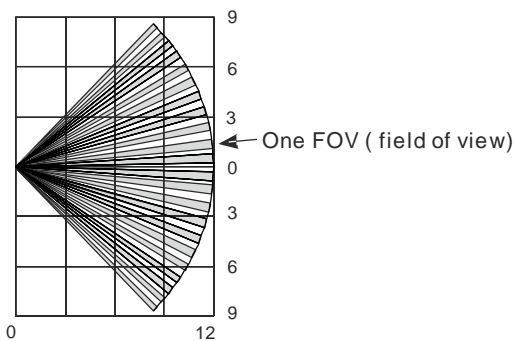
Sensor Optical View Pattern: (side view, in meters)



Optical Fields-of-View:

Long-range	Mid-range	Short-range
44	36	18

Sensor Optical View Pattern (top view, in meters)



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CERTIFICATIONS:

Region	Certifications	PIR Motion Detector unum™
Europe	RoHS, CE, EN50131-2-2 Grade2	

TECHNICAL DATA:

IR Sensor: Dual-element Pyroelectric
Power Supply: 9-16 Vdc; 24 mA at 12 Vdc
Alarm Relay: Form A(NC),50mA at 30 Vdc.
Tamper Switch: Form A (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-event or 3-event
Operating Temperature Range: -10°C to +55° C (+14°F to +131°F)
Housing Material: Base: ABS, Cover: HDPE
Overall Dimensions: 113 x 60 x 45 mm (H x W x D)

OPTIONAL ACCESSORIES:

Ksenia p/n	description
KSI5900000.000	Mounting Bracket

KSI5101000.300

DATA SHEET



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HOW TO ORDER:

Ksenia P/n for PIR Motion Detector unum™ :

KSI5101000.300



unum™ has been designed for the environment as follows:

- Absence of PVC
- PCB laminates without Brome and Lead
- Low consumption
- Packaging realized mainly with recycled fibers and materials

