



## unum

indoor motion detector

KSI5101000.300

KSI5101100.300



# DATASHEET

## INTRODUCTION

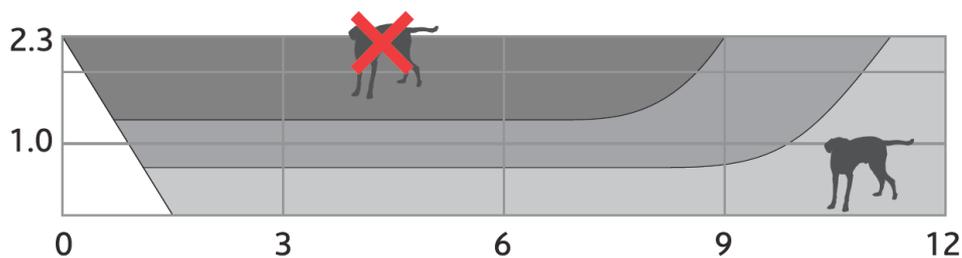
The PIR Motion Detectors unum are professional state-of-the-art motion sensors engineered with the world's best components and materials.

These detectors provide the highest degree of reliability in motion detection, without the risk of 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.

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.



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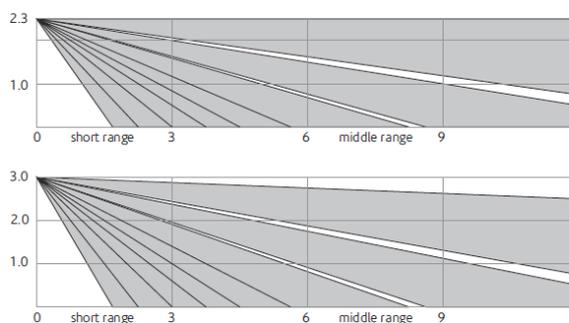
## TECHNICAL DATA

- **IR Sensor:** Dual elements
- **Power Supply:** 8-16 Vdc; 38 mA at 12 Vdc
- **Alarm Relay:** Solid state, 60V, 50 mA, 1500 Vrms isolation
- **Tamper Switch:** Form A (NC); 50 mA at 30 Vdc
- **Microwave Operating Freq.:** around 10GHz. See unit label
- **Events Detection:** Sure Spot™ processing engine
- **RF Immunity:** 20 V/m, 10-1000 MHz; 10 V/m, 1-2 GHz
- **White Light immunity:** 6500 lux
- **Pet immunity:** Up to 10 Kg
- **Sensitivity:** Selectable: 2-events or 3-events
- **Operating Temperature Range:** from -10 °C to +55 °C
- **Housing Material: Base:** ABS; **Front:** HDPE
- **Dimensions:** 113 x 60 x 45 mm

### Range

12 meters in sensor-facing direction

12 meters at 45° angle from sensor-facing direction



Sensor Optical View Pattern: side view, in meters

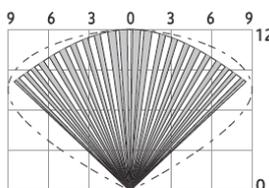
### Optical Fields-of-View

Long-range: 44

Mid-range: 36

Short-range: 18

One FOV (field on view)  
Microwave detection area



Sensor Optical View Pattern (top view, in meters)

**Ksenia**  
security innovation

# DATASHEET

## HOW TO ORDER

KSI5101000.300 - unum  
KSI5101100.300 - unum Pet Immune

## INCLUDED PARTS

1 Motion detector unum  
1 Installation Guide in ITA/EN/FR

## ACCESSORIES

KSI5900000.000 - Wall-Mounting Bracket

## ENVIRONMENT PROTECTION

**unum** has been designed and manufactured with the following features to reduce environmental impact:

- PVC-free
- Halogen-free laminates and printed circuits unleaded
- low absorption
- Packing made for the most part with recycled fibers and materials from renewable sources

