

Universal Indoor Motion detector

Description and functionalities



KS15102011.300 unum-X DT/AM X5 - Grade 3
KS15102011.301 unum-X DT/AM X8 - Grade 3

unum-X DT/AM X5/X8 universal indoor motion detectors dual technology, with PIR, microwave detection and anti-masking, are professional detectors that guarantee the highest degree of reliability, without incurring false alarms; they implement Tough Mod2™ technology, in gold plated, which offers high resistance to heat and humidity and extends the life of the detectors.

They are equipped with a mechanism that allows the Fresnel lens to be rotated 180° to obtain two different detection areas:

- . **WIDE (default)** = 15 m detection area and 85° coverage area on horizontal plan (used as volumetric detector)
- . **NARROW** = 24 m detection area and 5° coverage area on horizontal plan (used as curtain detector)



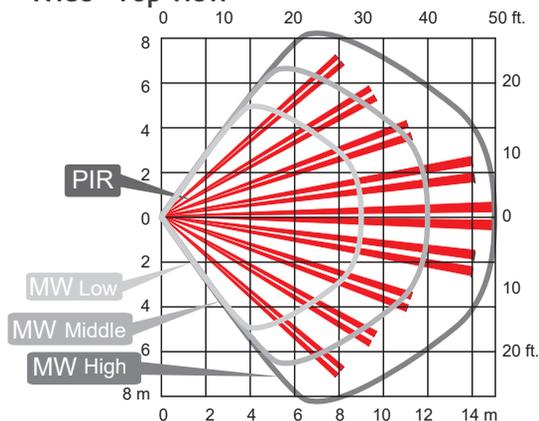
Connection to the lares 4.0 Ksenia control panel is realized by connecting their alarm and tamper outputs to input terminals of the panel or of any expansion module.

To comply with Grade 3 standard, it is necessary to install the resistors in the appropriate housings inside the sensor to obtain double or triple balance. Once associated with the relative "Zones" they can be managed by User and Installer Ksenia Apps.

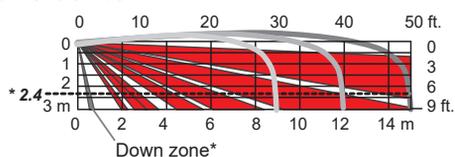
The multicolor LED indicates changes of state: heating, anti-masking, alarm, PIR detection, self-diagnosis error and low supply voltage. Inside the main unit of the detector, some DIP switches allow the setting of: LED indicator (switchable ON/OFF), PIR sensitivity (4 levels: low, medium, high, super high), antimasking sensitivity (4 levels: OFF, low, medium, high), and finally switching ON the LED when microwave is active or NOT.

A special trimmer allows you to set the sensitivity of the microwave (3 levels: low, medium, high) while a mechanical lever switch enables the "downzone" that is to detect the area below the sensor which makes the detector Grade 3.

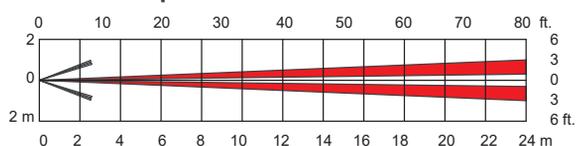
Wide - Top view



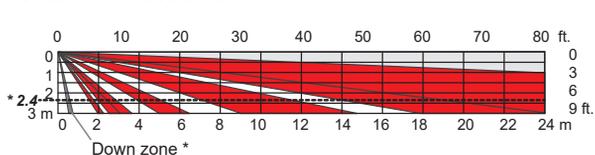
Wide - Side view



Narrow - Top view



Narrow - Side view



The *2.4 dotted line indicates the recommended mounting height. Settings ON/OFF of Down zone* (Grade 3) by manual settings.



Universal Indoor Motion detector

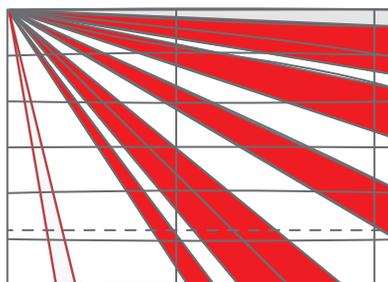


KSI5102011.300 unum-X DT/AM X5 - Grade 3
KSI5102011.301 unum-X DT/AM X8 - Grade 3

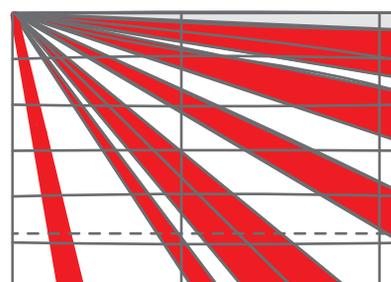
Downzone detection area

A mechanical lever switch inside the detector, enables the "downzone" that is to detect the zone below the sensor which makes the detector **Grade 3**.

OFF (Default)



ON (per Grado 3)



ACCESSORIES

- KSI5900006.001
Bracket with tamper
for wall and
ceiling mounting.



COMPLIANCE

- Europe - CE, RoHS



CERTIFICATIONS

KSI5102011.300 - unum-X DT/AM X5 - Grade 3

- *EN 50131-2-4:2020 Security Grade 3, Environmental Class II
- RE Directive 2014/53/EU
- *SBSC Iarm class 3, miljø klass II, SSF 1014
(Optional bracket is NOT covered)
- *note: only if AM sensitivity High and Led OFF
and Low PIR sensitivity NOT certified

KSI5102011.301 - unum-X DT/AM X8 Grade 3

- *EN 50131-2-4:2020 Security Grade 3, Environmental Class II
- RE Directive 2014/53/EU
- UK Radio Equipment Regulations 2017
- *INCERT T031:2017+A1:2018
- *note: only if AM sensitivity High and Led OFF
and Low PIR sensitivity NOT certified

Technical data

Power input	9,5 - 16 VDC
Consumption	16 mA (normal) /21 mA (max.) a 12 VDC
Relay output	Alarm NC 24 VDC 0.1 A max. Wall and Cover tamper NC 24 VDC 0.1 A max. Trouble NC 24 VDC 0.1 A max.
Remote LED	Open terminal = OFF / 0 V = ON
Detection method	PIR + Microwave (X5: 10.525 GHz / X8: 10.587 GHz) + Anti-masking
PIR Sensitivity	1.6°C at 0.6 m/s (at 2.4 m of height)
Rotating lens	Fresnel 180° - Rotate for coverage Wide or Narrow
Coverage	Wide: 15 m 85° - Narrow: 24 m 5° (No detection MW with Narrow lens)
Detection zones	Wide: 80 zones - Narrow: 20 zones
Mounting height	from 2 to 3 m (2.4 m recommended)
Detection speed	0.2 - 2.5 m/s
Warm-up period	60 s approximately (LED blinks)
LED indicator	Switchable ON/OFF - Multiple : Warm-up, Green: Alarm and masking detection, Purple: PIR detection, Yellow: Microwave detection and self test error, Red: Low voltage
Operating temperature	[-10°C +40°C]
Temperature compensation	Digital (SMDA)
RF Interference	No alarm 10 V/m
Humidity	95% max
Dimensions	159.1 x 62.2 x 55.7 mm (HxWxD)
Weight	200 g
Mounting	Indoor: wall or corner (with bracket: wall or ceiling)

unum-X motion detectors are covered by 5-years warranty.



Quantity data

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of zones	40	16	40	40	144	644

Technical specifications, appearance, functionality and other product characteristics may change without notice.