

Description

The unum-X DT/AM X5/X8 dual-technology motion detectors, with PIR, microwave, and anti-masking detection, are professional detectors that ensure the highest level of reliability, without triggering false alarms. They implement Tough Mod2 TM technology, gold-plated, which offers greater resistance to heat and humidity and extends the detector's lifespan.

They are equipped with a mechanism that allows the Fresnel lens to rotate 180° to provide two different detection ranges:



- **WIDE** (default) = detection range of the sensor is 15 meters with a 85° horizontal field of view (volumetric sensor mode)
- **NARROW** = detection range of the sensor is 24 meters with a 5° horizontal field of view (curtain mode)

Universal motion detectors must be connected to the Ksenia lares 4.0 control panel by linking their alarm and sabotage outputs to corresponding inputs on the control panel or on the terminals of any expansion module.



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

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

To comply with Grade 3 standards, it is necessary to insert the appropriate resistors into the designated compartments inside the sensor to achieve the desired (dual or triple) balancing. Once associated with the corresponding zones on the control panel, these can be managed by the installer and user applications.

The sensor is equipped with a multicolored LED that signals status changes: heating, anti-masking, alarm, PIR detection, self-diagnosis error, and low power supply voltage.

The sensor body contains all the adjustments to set the operating parameters. The DIP switches allow the following settings: LED indicator (can be switched ON/OFF), PIR sensitivity (4 levels: low, medium, high, and very high), anti-masking sensitivity (4 levels: off, low, medium, and high), and whether or not the LED lights up when the microwave is activated.

A special trimmer allows setting the microwave sensitivity (3 levels: low, medium, high), and a mechanical lever enables the "down zone," which is the anti-crawling detection zone pointing downward, making the sensor Grade 3 compliant.

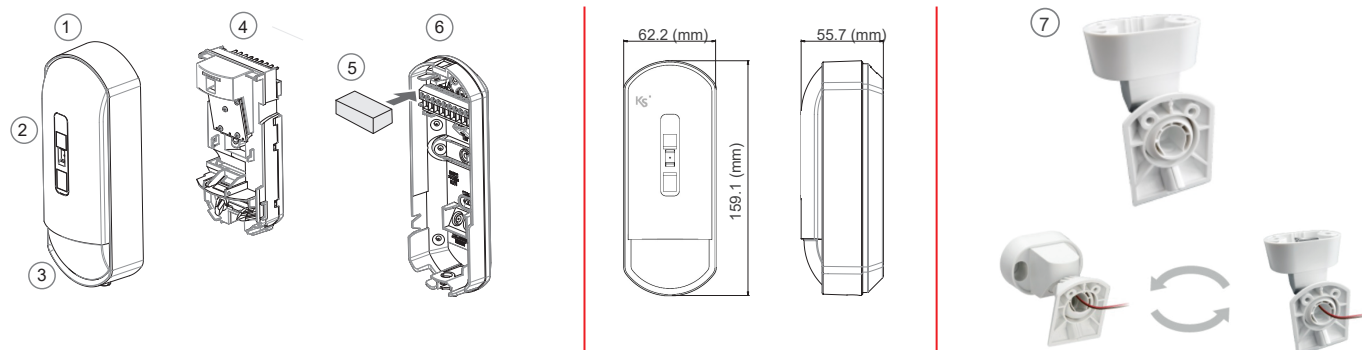
Technical Specifications

Power input:	9.5 - 16 VDC	
Current consumption:	16 mA (normal) / 21 mA (max.) at 12 VDC	
Relay output:	Alarm: NC 24 VDC 0.1 A max.	
	Anti-opening and anti-tear: NC 24 VDC 0.1 A max.	
	Fault: NC 24 VDC 0.1 A max.	
Remote LED:	Terminal open = 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 height)	
Rotatable lens:	Fresnel 180° - Rotate for wide or narrow coverage	
Coverage:	Wide: 15 m 85°	Narrow: 24 m 5° (MW disabled with narrow lens)
Detectable zones:	Wide: 80 zones	Narrow: 20 zones
Installation height:	From 2 to 3 m (2.4 m recommended)	
Detection speed:	0.2 - 2.5 m/s	
Warm-up duration:	Approximately 60 s (LED flashes)	
LED indicator:	Switchable ON/OFF - Multiple: Heating, Green: Alarm and masking	
	detection, Violet: PIR detection, Yellow: Microwave detection and test	
	error, Red: Low voltage	
Operating temperature:	From -10°C to +40°C	
Temperature compensation:	Digital (SMDA)	
Security grade:	3 (Grade 3 requires Down zone enabled by manually acting on the appropriate lever)	
Environmental class:	II	
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 support: wall or ceiling)	

Why unum-X DT/AM ?

- The unum-X DT/AM universal is a Grade 3 certified indoor sensor, featuring dual technology with active anti-masking on both infrared and microwave, as well as a downward detection zone (Down zone - anti-crawling).
- With a single mounting joint, the sensor can be installed on the ceiling or wall. Thanks to the ability to rotate the lens, two different coverage areas can be achieved with the same sensor.

Physical description



Legend

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. Outer cover 2. Status LED 3. Adjustable Fresnel lens 4. Main electronic board | <ul style="list-style-type: none"> 5. Shock-absorbing and insulating foam 6. Rear bracket for wall or corner mounting 7. Optional joint with tamper for wall or ceiling installations (sensor tilt and rotation). |
|---|--|

System maximum configuration

lares 4.0 Models	wls 96	16	40	40 wls	140 wls	644 wls
	96	16	40	40	140	644

The maximum number of installed Unum-X universal devices for each lares 4.0 model corresponds to the maximum number of zones supported by that specific model..

How to order

KSI5102011.300 - unum-X DT/AM (wave frequency X5)
KSI5102011.301 - unum-X DT/AM (wave frequency X8)

Accessories



KSI5900006.001 - Adjustable joint with tamper for wall or ceiling installations.

From App Ksenia PRO, scan-me to download unum-X Indoor Motion Detectors Technical Documentation



Certifications

KSI5102011.300 - unum-X DT/AM (wave frequency X5)

Europe - CE, RoHS
IMQ(*): EN 50131-1:2006 + A1:2009 + A2:2017 + A3:2020
EN 50131-2-4:2020
EN 50130-4:2011 + A1:2014
EN 50130-5:2011

Grade 3(**) - Class II

(*) the NARROW setting is not certified.
(**) for grade 3, enable the Down zone by manually operating the lever.

SBSC: SSF 1014, utgåva 5



KSI5102011.301 - unum-X DT/AM (wave frequency X8)

Europe - CE, RoHS
IMQ(*): EN 50131-1:2006 + A1:2009 + A2:2017 + A3:2020
EN 50131-2-4:2020
EN 50130-4:2011 + A1:2014
EN 50130-5:2011

Grade 3(**) - Class II

(*) the NARROW setting is not certified.
(**) for grade 3, enable the Down zone by manually operating the lever.

INCERT: T031:2017 + A1:2018 + A2:2022



D-Q2T-0019

Technical specification, appearance, functional and other product characteristics may change without notice.