

Description

The unum-X DT/AM BUS dual technology motion detectors, using both PIR and microwave sensors, are professional-grade detectors that ensure the highest level of reliability without triggering false alarms. They detect movement through passive infrared (PIR) and X5 microwave technology (or X8 in countries where required), and offer immunity to small domestic animals. They feature the Tough Mod2™ technology with gold-plated components, which provides greater resistance to heat and humidity, thereby extending the detector's lifespan.

They are equipped with a mechanical structure that allows the Fresnel lens to rotate 180°, offering two different detection ranges:



- **WIDE** (default) = sensor detection range of 12 meters with a horizontal opening angle of 85° (volumetric sensor mode)
- **NARROW** = sensor detection range of 18 meters with a horizontal opening angle of 5° (curtain mode).



KSI5112011.300 unum-X DT/AM X5 - Grade 3

KSI5112011.301 unum-X DT/AM X8 - Grade 3

unum-X DT/AM BUS include two motion detection systems: one with a microwave sensor and one with a PIR (passive infrared) sensor, in addition to the Supervision function; installation is extremely simple, they connect to the lares 4.0 KS-BUS and are fully programmable either locally via the control panel's web server or remotely via the Ksenia SecureWeb cloud.

The following functions are programmable:

- PIR sensitivity (4 levels: low, medium, high, and very high)
- Microwave sensitivity (3 levels: low, medium, and high)
- Anti-masking sensitivity (3 levels: low, medium, and high)
- Multicolor indicator LED (ON/OFF), signals status changes: warm-up, anti-masking, alarm, PIR detection, self-diagnostic error, and low power supply voltage.

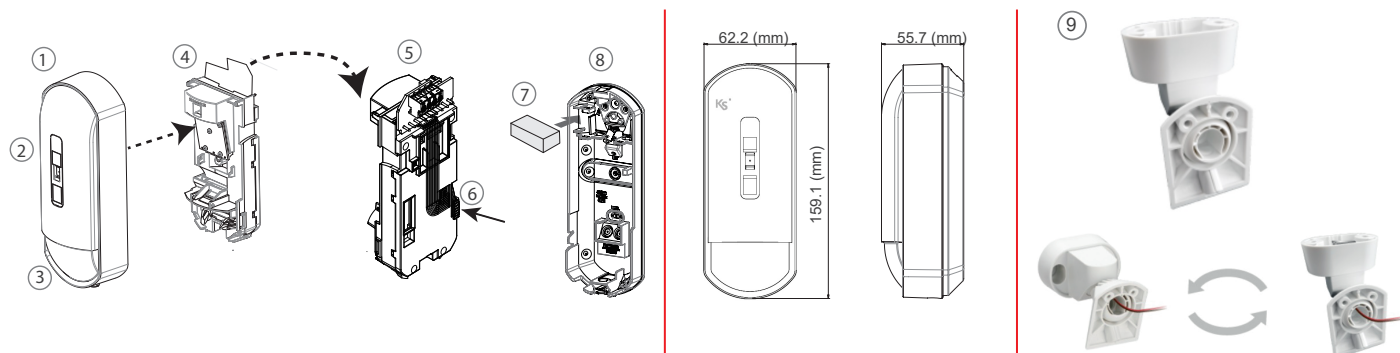
Technical Specifications

Power input:	13.8 VDC (typical)
Current consumption:	14 mA (normal) / 20 mA (max.) at 12 VDC
Detection method:	PIR + Microwave (X5: 10.525 GHz / X8: 10.587 GHz) + Anti-masking
Rotatable lens:	Fresnel 180° – Rotate for wide or narrow coverage
Wide coverage:	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 time:	approx. 60 s (multicolor LED flashing)
Multicolor LED indicator:	Switchable ON/OFF – Multiple: Warm-up, Green: Alarm and masking detection, Purple: PIR detection, Yellow: Microwave detection and test error, Red: Low voltage
Operating temperature:	from -10°C to +40°C
Temperature compensation:	Digital (SMDA)
RF interference:	No alarm at 10 V/m
Security grade:	3 (grade 3 requires Down zone enabled by manually operating the dedicated lever)
Environmental class:	II
Humidity:	max 95%
Dimensions:	159.1 x 62.2 x 55.7 mm (HxWxD)
Weight:	210 g
Mounting:	Indoor wall or corner (with bracket: wall or ceiling)

Why unum-X DT/AM BUS

- unum-X DT/AM BUS is an indoor grade 3 certified sensor, dual technology with active anti-masking on both infrared and microwave, and includes a downward-facing detection area (Down zone – anti-crawl).
- unum-X DT/AM BUS communicates with the lares 4.0 control panel via BUS. Installation is extremely simple: it connects to the lares 4.0 BUS and is fully programmable.
- With a single mounting joint, the sensor can be installed on either the ceiling or the wall. Thanks to the rotatable lens, two different coverage patterns can be obtained with the same sensor.
- Full control via app: the end user can independently manage the entire system through the lares 4.0 app, available for free on smartphones and tablets.

Physical description



Legend

- | | |
|--|--|
| 1. Outer cover | 6. Mechanical lever that enables Grade 3 EN50131 security |
| 2. Status LED | 7. Shock-absorbing and insulating foam |
| 3. Adjustable Fresnel lens | 8. Rear bracket for wall or corner mounting |
| 4. Main electronic board (cover side) | 9. Optional joint with tamper for wall or ceiling installations (sensor tilt and rotation) |
| 5. Main electronic board (BUS connection side) | |

System maximum configuration

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of BUS detectors	8	8	40	40	64	64

How to order

KSI5112011.300 - unum-X DT/AM BUS (wave frequency X5)

KSI5112011.301 - unum-X DT/AM BUS (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

KSI5112011.300 - unum-X DT/AM BUS (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.



KSI5112011.301 - unum-X DT/AM BUS (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-0036

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