

Description

The unum-X DT X5/X8 BUS dual technology motion detectors, combining PIR and microwave, are professional detectors that ensure the highest level of reliability, avoiding false alarms in motion detection thanks to passive infrared (PIR), X5 microwave (or X8 where applicable), and immunity to small domestic animals.

They implement Tough Mod2™ technology with gold plating, offering greater resistance to heat and humidity and extending the lifespan of the detector. They are equipped with a mechanical design that allows the Fresnel lens to be rotated 180°, providing two different detection ranges:



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



KSI5112001.300 unum-X DT X5 BUS - Grade 2

KSI5112001.301 unum-X DT X8 BUS - Grade 2

The unum-X DT X5/X8 BUS detectors include two motion detection systems: microwave sensor and PIR (passive infrared), in addition to the Supervision function. Installation is extremely simple — they connect directly to the KS-BUS of the lares 4.0 control panel and are fully programmable either locally via the control panel's web server or remotely through the Ksenia SecureWeb cloud.

The following functions are programmable:

- PIR sensitivity (3 levels: low, medium, high)
- Microwave sensitivity (2 levels: low, high)
- LED indicator (ON/OFF)

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



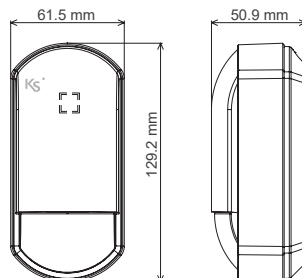
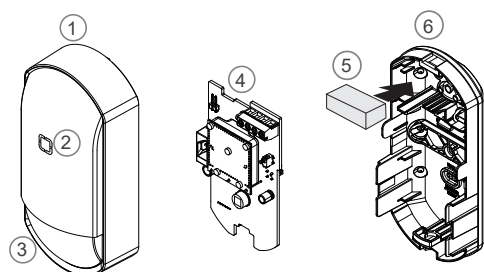
Technical Specifications

Power input:	13.8 VDC (typical)
Consumption:	14 mA (normal) / 19 mA (max.) at 12 VDC
Protection:	Tamper and opening protection
Detection method:	Passive infrared (PIR) and Microwave (MW)
Rotatable lens:	180° Fresnel – Rotate for wide or narrow coverage
Coverage: Wide:	12 m 85° - Narrow: 18 m 5° (MW disabled with narrow lens)
Detection zones:	Wide: 76 zones - Narrow: 12 zones
Installation height:	from 2 to 3 m (2.4 m recommended)
Detection speed:	0.3 - 2.0 m/s
Warm-up time:	approx. 60 s (LED blinks)
Microwave frequency:	- X5: 10.525GHz - X8: 10.587GHz
Pet immunity:	Yes (with low PIR sensitivity, up to 30 cm animal height)
LED indicator:	Green LED : Idle: OFF - Alarm/tamper: ON
Operating temperature:	from -10°C to +40°C
Temperature compensation:	Digital (SMDA)
Security grade:	2
Environmental class:	II
Humidity:	95% max
Dimensions:	129.2 x 61.5 x 50.9 mm (HxWxD)
Weight:	105 g
Mounting:	Indoor: wall or corner (with bracket: wall or ceiling)

Why unum-X DT BUS?

- unum-X DT BUS is an indoor Grade 2 sensor, dual technology (PIR and microwave), that ensures a high level of reliability in motion detection using passive infrared (PIR) and microwave.
- It allows activation of the PET-immunity function, which reduces false alarms caused by small animals' movement when the system is armed.
- unum-X DT BUS communicates with the lares 4.0 control panel via BUS. Installation is extremely simple: it connects to the BUS of the lares 4.0 and is fully programmable.
- With a single mounting joint, the sensor can be installed either on the ceiling or on the wall. Thanks to the rotatable lens, two different coverages are possible 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 for smartphones and tablets.

Physical description



Legend

- | | |
|----------------------------|--|
| 1. Outer cover | 5. Shock-absorbing and insulating foam |
| 2. Status LED | 6. Rear bracket for wall or corner mounting |
| 3. Adjustable Fresnel lens | 7. Optional joint with tamper for wall or ceiling installations (sensor tilt and rotation) |
| 4. Main electronic board | |

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

KSI5112001.300 - unum-X DT BUS (wave frequency X5)
KSI5112001.301 - unum-X DT BUS (wave frequency X8)

Accessories



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

Certifications

KSI5112001.300 - unum-X DT 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 2 - Class II

(*) the NARROW setting is not certified, PET immunity is not certified.



KSI5112001.301 - unum-X DT 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 2 - Class II

(*) the NARROW setting is not certified, PET immunity is not certified.

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



D-Q2T-0035

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