

Description

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

They are equipped with a mechanical system that allows the Fresnel lens to be rotated by 180°, enabling two different detection ranges.



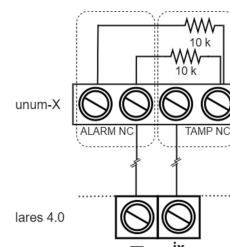
- **WIDE (default)** = sensor detection range of 12 meters with a horizontal field of view of 85° (volumetric sensor mode)
- **NARROW** = sensor detection range of 18 meters with a horizontal field of view of 5° (curtain mode)

The detectors can be connected to the Ksenia lares 4.0 control panel by wiring the alarm and tamper outputs to corresponding inputs on the control panel or to the



KSI5101001.300 unum-X ST - Grade 2
KSI5102001.300 unum-X DT X5 - Grade 2
KSI5102001.301 unum-X DT X8 - Grade 2

terminals of any expansion module as NC (Normally Closed), or to a single input by inserting, as shown in the figure, the balancing resistors and configuring the **PARALLEL DOUBLE BALANCING** mode.



Once associated with the corresponding "Zones", they can be managed through both the user and installer apps.

The jumpers located on the main unit of the device allow the configuration of functions such as: Fresnel lens position, PIR sensitivity, microwave sensitivity, and LED indicator. For the unum-X DT X5/X8 detectors, the LED indicator can also be managed remotely (ON/OFF).

Technical Specifications

Power input:	9.5 - 16 VDC
Current consumption:	8 mA (normal) / 11 mA (max.) at 12 VDC (unum-X ST) 11 mA (normal) / 14 mA (max.) at 12 VDC (unum-X DT X5/X8)
Relay output:	Alarm NC 24 VDC 0.1 A max. Tamper switch NC 24 VDC 0.1 A max.
Remote LED:	Open terminal = OFF / 0 V = ON (unum-X DT X5/X8)
Detection method:	Passive infrared (unum-X ST) Passive infrared and MW (unum-X DT X5/X8)
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: 12 m 85° - Narrow: 18 m 5° (MW disabled with narrow lens)
Detectable 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)
MW frequency unum-X DT:	X5: 10.525 GHz X8: 10.587 GHz
Pet immunity:	Yes (with low PIR sensitivity, up to 30 cm pet height)
Green LED indicator:	OFF at rest - ON in alarm/tamper
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:	90g (unum-X ST) 105g (unum-X DT X5/X8)
Mounting:	Indoor: wall or corner (with bracket: wall or ceiling)

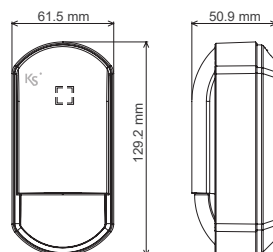
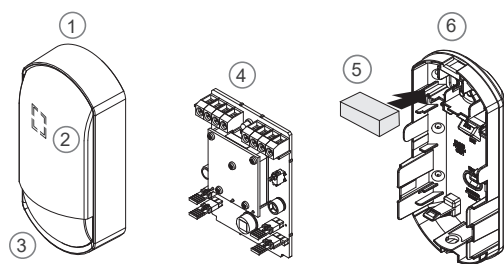
Why unum-X ST e unum-X DT ?

- unum-X ST is a Grade 2 indoor sensor with PIR detection, designed to provide maximum reliability in intrusion detection. It allows the activation of the PET-immunity function, which reduces false alarms triggered by the movement of small pets when the system is armed.
- unum-X DT is a Grade 2 indoor sensor with dual technology (PIR and microwave), ensuring a high level of reliability in motion detection through passive infrared (PIR) and microwave technologies. It also allows the activation of the PET-immunity function, which reduces false alarms triggered by the movement of small pets when the system is armed.

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



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). |
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How to order

KSI5101001.300 unum-X ST
 KSI5102001.300 unum-X DT (wave frequency X5)
 KSI5102001.301 unum-X DT (wave frequency X8)

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.

Accessories



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

Certifications

KSI5101001.300 unum-X ST

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
 SBSC: SSF 1014, utgåva 5



D-Q2T-0018

KSI5102001.300 unum-X DT X5 (frequenza onda 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.

SBSC: SSF 1014, utgåva 5



KSI5102001.301 unum-X DT X8 (frequenza onda 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-0020

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