

Indoor Motion detector (BUS)



KSI5112001.300 unum-X DT X5 BUS - Grade 2
KSI5112001.301 unum-X DT X8 BUS - Grade 2

Description and functionalities

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

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

- **WIDE** (default) = 12 m detection area and 85° coverage area on horizontal plan (used as volumetric detector)
- **NARROW** = 18 m detection area and 5° coverage area on horizontal plan (used as curtain detector).

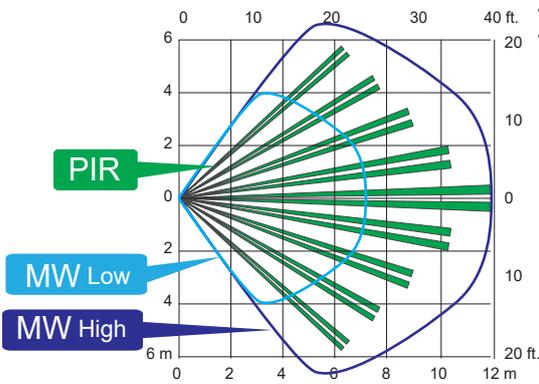


unum-X DT X5/X8 BUS motion detectors include two motion detection systems: with microwave X5 (or X8 in countries where applicable) and with PIR (passive infrared) as well as PET immunity and Supervision functions; connection to the lares 4.0 Ksenia control panel is realized via KS-BUS, all of them can be managed locally or remotely via cloud from Ksenia SecureWeb.

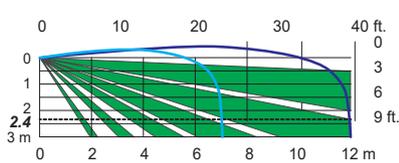
The following functions are programmable:

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

Wide - Top view



Wide - Side view



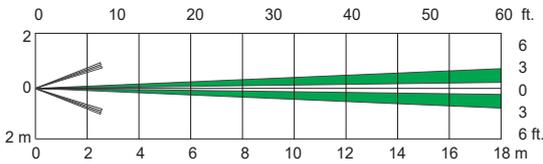
used as volumetric detector



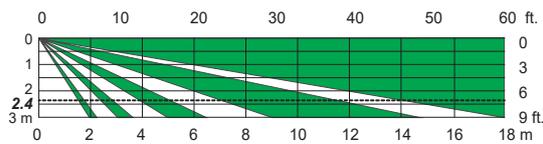
used as curtain detector



Narrow - Top view



Narrow - Side view



The *2.4 dotted line indicates the recommended mounting height.



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ACCESSORIES

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



COMPLIANCE

- Europe - CE, RoHS

CERTIFICATIONS

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

- (*)EN 50131-2-4:2020 Security Grade 2, Environmental Class II
- RE Directive 2014/53/EU
- (*)SBSC Iarm klass 2, miljö klass II, SSF 1014
(Optional bracket is NOT covered)

(*) note: narrow setting is not certified,
PET immunity mode is not certified

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

- (*)EN 50131-2-4:2020 Security Grade 2, Environmental Class II
- RE Directive 2014/53/EU
- UK Radio Equipment Regulations 2017
- (*)INCERT T031:2017+A1:2018+A2:2022

(*) narrow setting is not certified,
PET immunity mode is not certified

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unum-X Indoor Motion Detectors
Technical Documentation



PET IMMUNITY - Pet immunity requires the setting of the PIR Sensitivity to the "LOW" level.



Technical data

Power input	13.8 Vdc (typical)
Consumption	14 mA (normal) / 19 mA (max.) at 12 Vdc
Protection	Cover and Wall tamper
Detection method	Passive infrared (PIR) and Microwave (MW)
Rotating lens	Fresnel 180° - Rotate for Wide or Narrow coverage
Coverage	Wide: 12 m 85° - Narrow: 18 m 5° (No MW detection with Narrow lens)
Detection zones	Wide: 76 zones - Narrow: 12 zones
Mounting height	from 2 to 3 m (2.4 m recommended)
Detection speed	0.3 - 2.0 m/sec
Warm-up period	60 s (LED blinks)
MW frequency	- X5:10.525GHz - X8:10.587GHz
Pet immunity	Yes (PIR with low sensitivity, up to 30 cm of the animal's height)
LED indicator	LED green: Stand-by: OFF - Alarm/tamper: ON
Operating temperature	[-10°C +40°C]
Temperature compensation	Digital (SMDA)
Environmental Humidity	95% max
Dimensions	129.2 x 61.5 x 50.9 mm (HxWxD)
Weight	105 g
Mounting	Indoor: wall or corner (with brackets: wall, 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 BUS sensors	8	8	40	40	64	64

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