

### Description and functionalities



KSIS201001.300 unum-X ST wls - Grade 2  
 KSIS202001.300 unum-X DT X5 wls - Grade 2  
 KSIS202001.301 unum-X DT X8 wls - Grade 2

**unum-X ST wls** indoor motion detectors with PIR and **unum-X DT X5/X8 wls** dual technology with PIR and microwave detection, are professional wireless detectors, in compliance with the wireless bidirectional 868.5 MHz protocol used by Ksenia Security; they ensure the highest degree of reliability in motion detection with passive infrared (PIR), X5 and X8 microwave and pet immunity; they implement Tough Mod2™ technology, in gold plated, which offers high resistance to heat and humidity and extends the life of the detector.

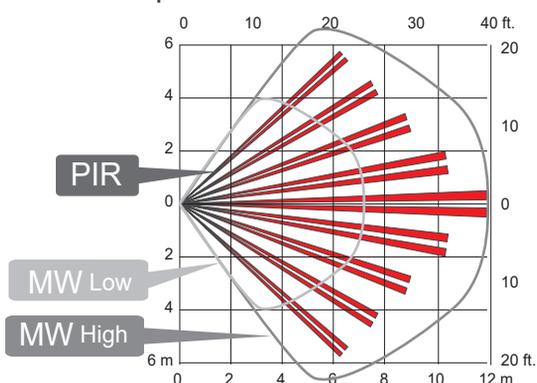
They are equipped with a mechanism that allows the Fresnel lens to be rotated 180° to obtain two different detection areas:

- . **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).



Remote configuration of the following parameters: PIR sensitivity (3 levels: low, medium, high), microwave sensitivity (3 levels: low, medium, high), LED indicator (ON/OFF).

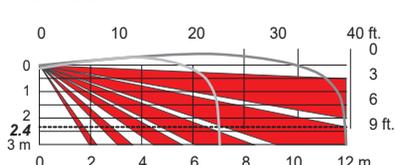
#### Wide - Top view



used as volumetric detector



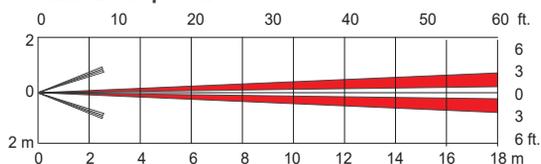
#### Wide - Side view



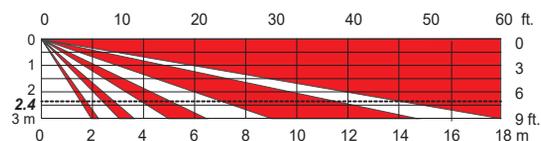
used as curtain detector



#### Narrow - Top view



#### Narrow - Side view





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### ACCESSORIES

- KS15900006.001  
Bracket with tamper for wall and ceiling mounting.



### COMPLIANCE

- Europe - CE, RoHS



### CERTIFICATIONS

#### KS15201001.300 unum-X ST wls - Grade 2

- (\*)(\*\*)EN 50131-2-2 Security Grade 2, Environmental Class II
- RE Directive 2014/53/EU
- UK Radio Equipment Regulations 2017
- (\*)(\*\*)SBSC Iarm class 2, miljõ klass II, SSF 1014 (optional bracket is not covered)
- (\*)(\*\*)INCERT T031:2018

(\*) sensitivity low is not certified  
 (\*\*) narrow setting is not certified

#### KS15202001.300 unum-X DT X5 wls - Grade 2

- (\*)(\*\*)EN 50131-2-4 Security Grade 2, Environmental Class II
- RE Directive 2014/53/EU
- (\*)(\*\*)SBSC Iarm class 2, miljõ klass II, SSF 1014 (optional bracket is not covered)

(\*) sensitivity low is not certified  
 (\*\*) narrow setting is not certified

#### KS15202001.301 unum-X DT X8 wls - Grade 2

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

(\*) sensitivity low is not certified  
 (\*\*) narrow setting is not certified

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



### Technical data

Wireless communication	868.5 MHz
Power supply	3 V lithium battery - Panasonic CR123A recommended
Consumption	max 26 mA - stand-by 0.015 mA (unum-X ST wls) max 50 mA(peak) - stand-by 0.015 mA (unum-X DT X5/X8 wls)
Battery life (*)	4 years (unum-X ST wls)      2-3 years (unum-X DT X5/X8 wls)
Voltage for battery fault	2.5 V (approx.)
Detection method	Passive infrared (unum-X ST wls) Passive infrared and MW (unum-X DT X5/X8 wls)
Flip lens 180°	Fresnel 180° - Rotate for wide and narrow coverage
Coverage	Wide: 12 m 85° - Narrow: 18 m 5° (MW disabled with narrow coverage)
Frequency MW unum-X DT wls	- X5: 10.525GHz      - X8: 10.587GHz
Detection zones	Wide: 76 zones      - Narrow: 12 zones
Detection speed	0.3 - 2.0 m/s
Inhibition time (programmable)	from 5 to 180 sec. (to be compliant with standard EN 50131-1 and T031)
PIR Sensitivity	1.6°C at 0.6 m/s at 2.4 m mounting height
LED color	RED - Stand-by (OFF), Alarm/Tamper (ON) - Warm-up: Blinking
Warm-up period	60 s approximately (LED blinks)
Mounting height	from 2 to 3 m (2.4 m recommended)
Pet immunity	Yes (with low PIR, up to 30 cm of the animal's height)
Tamper	Cover tamper and wall tamper
Operating temperature	[-10°C +40°C]
Environmental humidity	95% max
Dimensions	H: 129.2 x W: 61.5 x D: 50.9 mm
Weight	94 g (unum-X ST wls)      108 g (unum-X DT X5/X8 wls)
Mounting	Indoor: wall or corner (with bracket: wall or ceiling)
(*)note: to be compliant with the standard EN 50131-1 and T031, set the parameter "Always active" to OFF	

unum-X motion detectors grade 2 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 wls sensors	32	16	40	40	64	64

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