



Description

The detectors of the velum wls series, thanks to their particularly compact size, are ideal for protecting doors, windows, and display cases. Moreover, due to the materials used and their advanced technology, they can be installed in any outdoor environment where it is necessary to cover well-defined areas, such as walls or passages. The sensors create a curtain-type coverage with a 7.5° angle and have an adjustable range of up to 12 meters.

The wireless technology adopted is of the latest generation, fully bidirectional (each device acts as both transmitter and receiver, allowing a confirmation message to be received for every transmission) operating on the 868 MHz frequency. A sophisticated proprietary transmission power control (DPMS) maximizes battery life by optimizing the transmission power based on the distance between devices; this also helps reduce interference.



KSI5402010.303

The materials used to manufacture the sensors are highly resistant to atmospheric agents; moreover, the electronic board undergoes a tropicalization process to ensure proper operation under all humidity and temperature conditions.

The careful design and digital analysis of the microwave signal make these sensors particularly stable and immune to false alarms.

The infrared lens anti-masking is achieved through active infrared LED analysis. The outdoor curtain sensors of the velum DT-AM wls series are synonymous with reliability and high security, not only in terms of quality but also against tampering attempts, as they are equipped with an accelerometer for anti-tear protection and a microswitch for front opening protection.

Technical Specifications

Power Supply	1 lithium battery pack 3.6V 2700mA included (2 years battery life)
Maximum consumption	30mA
Range	12m (room temperature 25°C)
Width of covered area	25cm at 2m of distance, 130cm at 10m
Detection distance	from 0.30m up to 12m
Installation height	from 2.10m to 2.30m max on the wall
Anti-masking analysis	Active Infrared LED
Tamper	accelerometer
Point of Detection	single, curtain beam (angle 7.5°)
Horizontal coverage	IR 90°, MW 80°
Vertical coverage	IR 7.5°, MW 32°
Operating Temperature Range	from -20° C to +55° C
Assembly	with angle bracket (reversible) and wall mounting
Dimensions	38x129x40 mm (WxHxD)
Weight	90 g
Protection	IP54
MW Range	adjustable via trimmer
MW Analysis	selectable via software
PIR Range	adjustable via trimmer and via software
Signaling LED	five colors RGB, selectable via software

System maximum configuration

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of wireless detectors	32	16	40	40	64	64

Accessories

- KSI5900003.003 - Rain cover
- KSI7203627.000 - 3.6 V-2700 mAh lithium battery pack

How to order

KSI5402010.303 - curtain motion detector

Compliance

Europe - CE



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