



velum-C DT AM

Curtain Dual-technology Motion Detector

KSI5402011.303



DATASHEET

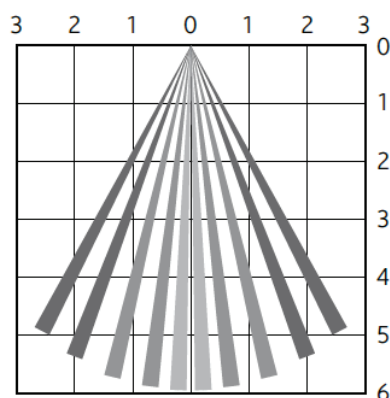
INTRODUCTION

The sensor **velum-C** is synonymous with reliability and high safety, not only from the qualitative point of view, but also against sabotage attempts, given that integrates a station with accelerometer for wall tamper, flexible and functional. It can be installed on the ceiling with a 6m vertical flow. In this way, positioned at the center of the frame, it ensures its complete coverage, creating an insurmountable barrier to any intruder.

The wireless technology used is of the latest generation, fully bi-directional (each device acts as transceiver allowing every transmission to receive a confirmation message, obtaining optimization of consumption and improved reliability compared to traditional mono-directional systems), at 868 MHz frequency band (with FSK modulation).

A sophisticated proprietary control of power transmission (DPMS - Dynamic Power Management System) allows to reduce interference, maximize battery life and optimize the transmission power depending on the distance between the devices and the type of installation. Maximum protection of the entire system is ensured via encryption of each packet communication, using proprietary algorithm. All wireless devices have a unique serial number that is automatically acquired by the system during installation; both on the programming software and on the keyboard of the ergo series are indicated in real time the signal level of each device and the communication path if there are more BUS receivers or any repeaters.

Diagram of visual coverage



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TECHNICAL DATA

- **Power Supply:** 1 Lithium battery LS14250 3.6 V (½ AA-size) included for a maximum duration of at least 2 years
- **IR sensor:** dual element
- **IR range:** 12 m (room temperature 25 ° C)
- **Warm-up time:** 60 sec
- **Operating FrequencyMW:** 24.125 GHz
- **Range MW:** from 0.30m to 12m
- **ANTIMASKING Analysis:** active; infrared LED
- **Thornproof:** mems platform (Accelerometer)
- **Sabotage:** front microswitch
- **Operating Temperature Range:** from -20°C to +55°C
- **Immunity RFI/EMI:** 20 V/m, 10-1000 MHz;10 V/m, 1-2 GHz
- **White light immunity:** 6500 lux
- **Operating wireless frequency:** 868 MHz band
- **Sight range:** up to 300m
- **Detection area:** only a tent (angle 7.5 °)
- **Horizontal coverage:** IR 90 °, 80 ° MW
- **Vertical coverage:** IR 7.5 °, 32 ° MW
- **Amplitude tent:** a 2 m 25 cm, 130 cm at 10 m
- **Installation height:** 2.10 m from 2.30 max on the wall
- **Weigh:** 90 g
- **Protection:** IP54
- **Color:** grey



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HOW TO ORDER

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INCLUDED PARTS

1 Motion detector velum-C
1 lithium Battery 3.6V
1 Mounting kit
1 Installation Guide in ITA/EN/FR

ENVIRONMENT PROTECTION

velum-C has been designed and manufactured with the following features to reduce environmental impact:

- PVC-free
- Halogen-free laminates and printed circuits unleaded
- low absorption
- Packing made for the most part with recycled fibers and materials from renewable sources



Ksenia
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