



unum DT AM

Dual-technology Anti masking motion detector

KSI5102010.300

KSI5102110.300



DATASHEET

INTRODUCTION

The motion detectors **unum DT AM** are professional motion detectors of who use the benefits of the Dual-Technology, pet immunity and antimasking.

They represent the top range of detectors for indoor of Ksenia Security. The **unum DT AM** detector integrates directly on the card end of line resistors, selected to fit each plant type with comfortable removable jumpers.

OPERATION OF ANTI-MASKING

The mask is detected by two analysis, running simultaneously: the first is an alteration of normal balance between alarm signals from Infrared (PIR) and microwave derived from the analysis continuous signal, using a reduced sensitivity of the microwave to minimize the effect of continuously moving objects that could affect only the microwave. You can disable this type of analysis acting on a jumper.

The second analysis is based on an area of supervision (within one meters from the sensor): a person entering in the safe zone will activate the detection process of masking.

This second function cannot be disabled.



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TECHNICAL DATA

- **IR Sensor:** Dual elements
- **Power Supply:** 8-16 Vdc; 38 mA at 12 Vdc
- **Alarm and Mask Relay:** Solid state, 60V, 50 mA, 1500 Vrms isolation
- **Tamper Switch:** Form A (NC); 50 mA at 30 Vdc
- **Microwave Operating Freq.:** around 10GHz. See unit label
- **Events Detection:** Sure Spot™ processing engine
- **RF Immunity:** 20 V/m, 10-1000 MHz; 10 V/m, 1-2 GHz
- **White Light immunity:** 6500 lux
- **Pet immunity:** Up to 10 Kg
- **Sensitivity:** Selectable: 2-events or 3-events
- **Range:** Microwave 20%-100% adjustable
- **Lighting rejection:** selectable 50 or 60 Hz.
- **Operating Temperature Range:** from +5°C to +40 °C
- **Storage:** from -40 °C to +60 °C
- **Housing Material: Base:** ABS; Front: HDPE
- **Dimensions:** 113 x 60 x 45 mm
- **Weight:** 95 g



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HOW TO ORDER

KSI5102010.300 - unum AM DT
KSI5102110.300 - unum AM DT Pet Immune

INCLUDED PARTS

1 Motion detector unum
1 Installation Guide in ITA/EN/FR

ACCESSORIES

KSI5900000.000 - Wall-Mounting Bracket

ENVIRONMENT PROTECTION

unum DT AM 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

