

## **A6(DT908) Hidden Application Sensor**



**Product class :** Multi-tech Sensor

**Description :**

1. MRD-plus dual microwave element
2. 100% hidden application
3. 15 meters full range anti-mask
4. Impervious to temperature change
5. Ideal for museum and archives

**Overview:**

Particularly designed for high security application, A6 adopts the displacement identification technology and full range anti-mask technology. Hidden-installation keeps the intruder unknown the installation site. This can prevent intentional damage to the sensor and enhances the anti-burglar performance of system. It's suitable for high security applications such as museums, exchequers, archives etc.



### Features:

1. The patented Dual Microwave with MRD displacement identification technology: Adopts cutting-edge Phased Array Radar technology to analyze and recognize the shape and relative displacement speed of any intruding objects. It can accurately recognize the differences between the moving human body and the interferential objects such as swaying plants, swaying wet clothes etc., thus to prevent false alarms.
2. The original MRD-PLUS technology: the change of the ambient temperature will not affect the detection range at all
3. The original 100% hidden-installation: The sensor can be completely hidden behind the picture or anything but metal, suitable for the highest level of security applications such as museums, exchequers, archives etc.
4. Full range anti-mask (FAMS) technology: the detection performance won't be affected by any following conditions:
  - 1) Spray any material on the surface of sensor
  - 2) Mask the sensor by any thing
  - 3) Mask the intruder 100% with any materials within the detection area
5. Digital temperature compensation: Can auto adjust detector to ensure effective detection range and stable frequency
6. Adjustable detection sensitivity
7. Self-adaptive circuit: The built-in high performance industrial-grade microprocessor can analyze the surrounding environment on the startup of the motion sensor, then optimize and adjust the operational parameter to ensure a reliable, stable and effective detection
8. White light immunity: Free from any light
9. PhotoMos relay
10. Five mounting methods: Include 86 mounting with bottom shell
11. Optional bracket: SMB20, SMB30

**Specifications:**

1. Detection mode: MRD-Plus Dual-microwave system + Active Infrared detection technology
2. MRD Anti-false alarm index\*: >95% (tested in Toparm lab, simulating all kinds of harsh environment, traditional dual-tech sensors <4%)
3. Microwave frequency: 10.525GHz, 10325GHz, compliant with FCC standard
4. Detection sensitivity: 1m ~ 15m adjustable
5. Detection Range: 15m × 15m
6. Anti-mask range: 0 to 15m
7. Working temperature: -25°C ~ +55°C
8. Relative humidity: 5% to 95% (non-condensing)
9. Auto temperature compensation: Digital temperature compensation
10. Power supply: 9.5V to 15V/DC/18mA
11. Alarm output: PhotoMos relay NC contacts, 35V/DC/150mA/MAX
12. Tamper output: NC contacts, 60V/AC/500mA
13. Response speed: 0.2m/s to 2m/s
14. White light immunity: Free from any light
15. RF immunity: 52V/m, 10MHz to 1,000MHz
16. Dimensions: 86 × 86 × 28mm
17. Weight: 150g