

SWAN DT-AM

Digital PIR & Microwave Detectors with Optical Anti-Masking

The SWAN DT-AM is a combination of Passive Infra-Red (PIR) and Microwave Doppler detectors, with PET immune function and optical anti-mask.

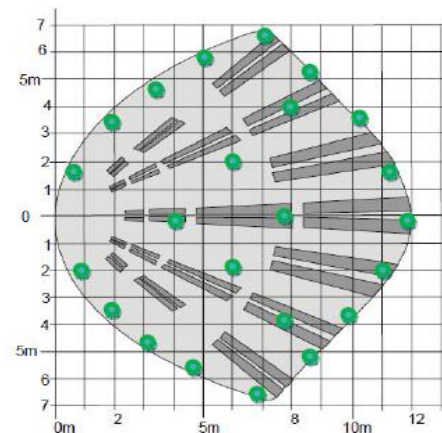
The SWAN DT-AM use Microcontroller for PIR signal analyzing, special ASIC technology for PIR pulse analyzing and unique optic for anti-mask protection.

PRODUCT FEATURES

- Quad (Four element) PYRO sensor.
- Microwave detection based on Doppler concept.
- Optic Anti-masking protection with special relay trouble output.
- ASIC VLSI based electronics with movement speed spectrum analysis.
- PIR self-test by applying a short heat pulse.
- 12m Detection Range with Wide Angle Lens.
- User-friendly installation with or w/o swivel bracket.
- Microwave sensitivity adjustment.
- PIR sensitivity adjustment.
- Bi directional temperature compensation.
- PET immunity up to 25Kg.
- White light and environmental immunity



DETECTION PATTERN



STANDARDS COMPLIANCE

- EN50130-4+A1+A2
- EN301489-3
- EN301489-1
- EN61000-6-3
- EN50130-5
- EN50131-1, EN50131-2-4

Security Grade 3, Environmental Class II

SPECIFICATION

Detection Method	PIR & Microwave Pulse Doppler Optical Anti-Masking by IR signal
Power Input	9 to 16Vdc
Current Draw	Active: 48mA (+/- 5%) Standby: 43mA (+/- 5%)
Temp Consumption	Yes
Alarm Period	2 ± 1 sec
Alarm Outputs	Form A N.C 28Vdc 0.1 A (with 10 Ohm series protection resistor)
AM / Trouble Output	Form A N.C 28Vdc 0.1 A (with 10 Ohm series protection resistor)
Tamper Switch	N.C 28Vdc 0.1 A (with 10 Ohm Resistors) open on cover removal
Warm up Period	30 Seconds
Operation Temp	-10°C ~ +50 °C
Dimensions	123.5mm x 61.5mm x 40mm
Weight	118gr.
Part Number	0029511