Wired Indoor Motion Detectors

SWAN-1000
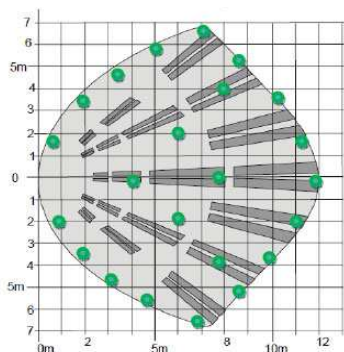## Digital Dual Technology X-Band Detectors

A new generation of professional movement spread spectrum analyzing PIR & MW detectors with PET immune function. The Swan 1000 is a combination of PIR & MW detectors, providing protection from intruders by PYRO sensor element and MW (based on Doppler concept.

Using micro controller for PIR & MW signal analyzing, with special ASIC technology for PIR pulse processing, assures "false alarm free" operation.

PRODUCT FEATURES

- Quad (Four element) PYRO sensor and hard lens for outstanding detection performance and elimination of false alarms.
- Microwave detection based on Doppler concept.
- Unique Microwave Motion Sensor Module with
- micro strip patch antenna.
- VLSI based electronics with movement speed
- spectrum analysis.
- Height installation calibrations free.
- User-friendly installation with or w/o swivel bracket.
- 2-way Microwave sensitivity adjustment.
- 2-way PIR sensitivity adjustment.
- Bi directional temperature compensation.
- Environmental immunity.
- The Swan 1000 provides pet immunity up to
- 25Kg. Pet active bellow 1m.

DETECTION PATTERN

STANDARDS COMPLIANCE

EN 50130-4
EN 61000-6-3
EN 301489-3
EN 301489-1
EN 60950-1
IEC 60950-1
EN 50131-1
EN 50131-2-4
EN 50130-5
EN 50131-6
RoHS 2002/95/EC
Security Grade 2, Environmental Class II

TECHNICAL SPECIFICATIONS

Detection Method	Quad element PIR & MW Doppler
MW Freq, - X Band	10.525GHz / 10.687GHz / 9.9 GHz
Power Input	9.6 to 16 Vdc
Current Draw	Active: 23mA (± 5%) Standby: 19mA (± 5%)
Temp Compensation	YES
Alarm Period	2 +/- 1 sec
Alarm Output	N.C 28Vdc 0.1 A with 10Ohm series protection resistors
Tamper Switch	N.C 28Vdc 0.1 A (with 10 Ohm Resistors) open on cover removal
Warm Up Period	60 seconds
LED Indicators	Green &Yellow LEDs blinking during warm up period and self testing Red LED: ON during alarm Green LED: PIR CHANNEL Yellow LED: MW CHANNEL
Operating Temperature	-10ºC ~ +50 ºC (14 ºF~122 ºF)
Dimensions	123mm x 62mm x 38mm
Weight	120gr
Part Number	0018720

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The Crow Group