

Wireless Indoor Motion Detectors



FW2-NEO

Freewave™ 2-Way Wireless PET Immune PIR Detector

The FW2-NEO is an advanced, fully supervised low current 2-Way Wireless PIR detector that includes an advanced RF protocol for secure and reliable system operation.

The FW2-NEO has a unique ID code, includes APS mechanism for extending the battery live, selectable 15 / 25kg pet immunity feature.

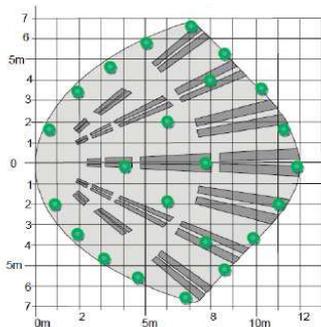
The FW2-NEO includes series of messages for full communication administration (Supervision, Tamper, Low Batt.) as well as test transmission signals (communication, Tamper, alarm).

PRODUCT FEATURES

- State-of-the-art 2 way wireless security system
- Freewave2 advanced & secured RF protocol
- Low current Technology
- Powered by a single 3v Lithium battery
- Battery life: up to 5 years
- Frequency Band: 868.35MHz or 916.5MHz
- Tamper Open/Close transmission
- Supervision transmission
- Battery status send on every transmission
- Bi-Color LED indications for monitoring
- Range up to 500m on open space.
- Unique ID number
- Front and back tamper.
- PET immune under 1m.



DETECTION PATTERN



STANDARDS COMPLIANCE

RTTE directive: 1999/5/EC
 EMC directive: 2004/108/EC
 Low Voltage directive: 2006/95/EC

- EN300220-2
- EN301489-3
- EN301489-1
- EN50130-4
- EN61000-6-3
- EN60950-1
- EN 50131-1
- EN 50131-5-3

RoHS directive: 2002/95/EC
 EN50131-2-2

TECHNICAL SPECIFICATIONS

Detection Method	Quad element PIR
Modulation Type	GFSK (1 Frequency)
Frequency Band	868.35MHz / 916.5 MHz
Identification	Unique ID serial number – 24 bit
Event Transmission	Alarm, Tamper, Supervision, Low Bat Supervision Time 2 minutes (+random)
Range (Open Space)	500 meters
Battery	Lithium. 3V Type: CR123A Size: 2/3AA
Battery life expectancy	5 years on regular use
Current Consumptions	Standby ~7 mA Receive mode ~29 mA Transmit mode ~38 mA
Transmit power	~14dBm
Tamper Switch	Front Cover Removal & Back Tamper
LED Indicators	Red LED: ON during alarm Green LED: PIR CHANNEL
Operating Temperature	-10°C ~ +50 °C (14 °F~122 °F)
Dimensions	123mm x 62mm x 38mm
Weight (inc. battery)	120gr
Part Number	0034770