

Operational description

The FW2-NEO-9F is an advanced, fully supervised low-current wireless PIR detector that includes an advanced RF protocol for secure and reliable system operation.

The FW2-NEO-9F has a unique ID code - compatible with FW2-TRANS transceiver that is designed to "learn" specific IDs and respond only to them. It includes APS mechanism for extending the battery live. The FW2-NEO-9F supports selectable 15 / 25kg pet immunity feature, activated below 1 m.

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

OPERATION

The Wireless PIR detector transmits the following events data:

SUPERVISION - a periodical transmission every 2 min. indicates detector's presence.

ALARM - Alarm transmission triggered by PIR intrusion detection.

LOW BAT – Whenever the battery reaches a pre-set low level (~2.4V) Battery Low signal will be sent with the next scheduled message (Supervisor, Alarm, etc.).

TAMPER – Whenever the cover is removed or placed back, a message will be transmitted with "Tamper" signal.

FEATURES

- Frequency: 916.5 MHz
- Type of modulation: GFSK
- 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
- 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 up to 8m.