

## Operational description

The FW2-SMK-9F as a part of the FreeWave wireless security system is an advanced, fully supervised SMOKE DETECTOR transmitter.

Compatible FreeWave receivers are designed to "learn" the specific ID of FW2-SMK-9F detectors and respond only to them. Alarm and other data are forwarded to the control panel for specific event indication. A periodic test transmission for supervision purposes takes place automatically once in ~7 min. The receiver is informed that the FW2-SMK detector is taking an active part in the wireless security system.

### OPERATION

#### Smoke - Drift Compensation

The detector automatically compensates for long-term environmentally induced changes to maintain a constant smoke sensitivity. When the drift compensation has reached its high or low limit of adjustment, the detector will go into the trouble state.

#### Heat Alarm

The heat detector will go into alarm when the heat signal level exceeds the heat alarm threshold (135°F/57°C); and will automatically restore when the heat signal level falls below the heat alarm threshold (restore).

#### Tamper

The removal of the detector from the mounting plate initiates a "tamper" transmission. The tamper condition is restored after the detector is mounted on the plate.

### FEATURES

- Frequency: 916.5 MHz
- Type of modulation: GFSK
- Photoelectric smoke& heat detector
- State-of-the-art wireless security system.
- Low current Technology.
- Powered by a 3 Volt Lithium battery.
- Battery life: at least 3 years.
- Supervision transmission.
- Battery condition signal transmission.
- Tamper protected
- Unique ID number.