



Spread Spectrum SN940-PIR

Wireless Passive Infrared Sensor

SpreadNet®
The Power of Wireless™

*The SN940-PIR
combines
excellent
detection with
spread spectrum
reliability.*



Benefits

- **Easy Wireless Installation**
The passive-infrared sensor can be mounted in those previously tough to wire places making installations both fast and easy.
- **Selectable Sensitivity**
Pulse count adjustment allows you to adjust the sensor to match the installation.
- **Mounting Flexibility**
Mount the SN940-PIR on the wall or in the corner for full range of coverage.
- **Designed for Commercial and Residential Applications**
With frequent supervisory check-ins (as often as every 30 seconds), the SN940-PIR is an excellent solution for commercial, industrial and residential installations.
- **Spread Spectrum Transmission Reliability**
SpreadNet products, by design, ensure successful signal transmission by combining 126 simultaneous frequencies with 100 times the power of traditional wireless systems.
- **Extended Battery Life Reduces Service Calls**
With more power and 126 frequencies, the transmission signals of the SN940-PIR require only quick on-air bursts, which extends battery life up to 5 years and reduces costly service calls.
- **Detection Range**
35' x 35' (11 m x 11 m)



Features

Spread Spectrum Technology

SpreadNet wireless products are developed with true spread spectrum technology. SpreadNet signals from transmitters are sent at 100 milliwatts of output power over 126 simultaneous frequencies to the receiver for successful transmission.

Pulse Count Selectability

Adjust the pulse count to match application requirements. The SN940-PIR can be set up for pulse counts of 2, 3, or 4.

Supervisory Check-In Rates

Supervisory check-in rates are programmable at 0 (no check-in), or a minimum of every 30 seconds up to 300 seconds, depending on the level of security needed.

Installer Programming

All programming is done via the C&K SN900-PROG hand-held RF programmer. No preprogramming is required.

Non-Volatile EEPROM Memory

EEPROM memory aboard each transmitter stores channel, property code, zone IDs and supervision rate, and eliminates reprogramming after replacing batteries.

Alarm Lock-Out Circuit

This feature extends battery life in high activity areas. When an alarm is transmitted, the lockout circuit will not allow another alarm transmission until the area has been clear of movement for 2 minutes.

Auto Walk-Test

Removing the front cover from the transmitter signals a tamper alarm and automatically places the PIR in the Walk-Test Mode. The sensor remains in this mode for 5 minutes after the cover is replaced.

Humidity Protection

Conformal-coated printed circuit board (PCB) provides protection against humid conditions.

Batteries (included)

Unit is designed for easy replacement of batteries and is protected against reverse battery polarity. Estimated battery life is 5 years.

Interchangeable Lenses

Optional pet alley and barrier lenses included.

Specifications

Physical Dimensions

5 ¹/₄" H x 2 ²/₅" W x 1 ⁷/₁₀" D
(13 cm x 6.1 cm x 4.3 cm)

Weight

5.5 oz (156 g), with batteries

Detection Range

35' x 35' (11 m x 11 m)

Mounting Location

Maximum range is obtained at a wall mounting height of 7' 6" (2.3 m), and away from wire screens or large metal objects. Verify RF reception prior to permanently mounting the sensor.

Power Requirements

Two 3.6 VDC AA lithium batteries included. Replace batteries every 5 years or at low battery indication, whichever occurs first.

Transmission Power

100 mW maximum, transmitting period of 7.6 mSec

Transmission Frequency

902 - 928 MHz Spread Spectrum

RF Immunity

30 V/m, all bands 10 MHz - 1000 MHz

PIR White Light Immunity

4,000 Lux

Operating Temperature

32° to 140° F (0° to 60° C)
Up to 95% relative humidity (non-condensing)

PIR Fields of View

Dual Element
Long range: 22
Intermediate: 7
Lower: 4
Look-down: 2

Sensitivity

2 - 4 steps within field of view

Accessories

Battery Replacements:
C&K P/N 5-771-013-00
Model # SN33L-BAT
SAFT Model # LS-14500

RF Emission Standards

USA: FCC Part 15
CANADA: Industry Canada (IC)

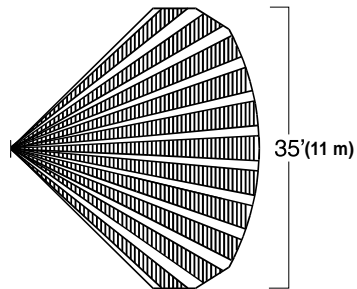
UL Compliance

1023 Residential Burglar

Detection Patterns

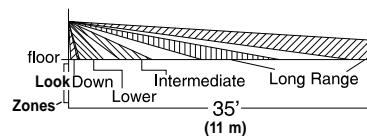
TOP VIEW

Wide Angle and Pet Alley Lenses



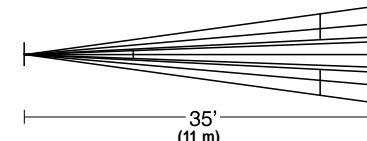
SIDE VIEW

Wide Angle and Barrier Lenses



TOP VIEW

Barrier Lens



SIDE VIEW

Pet Alley Lens

