



Rodent Detection Sensor (PIR) Zigbee

Product Overview

The **Bastet Zigbee PIR Sensor (Model DSSFST01-ZB01)** is a key component in smart pest control networks, utilizing Passive Infrared (PIR) technology specifically tuned for detecting the presence and movement of rodents. It operates on the reliable Zigbee protocol, ensuring instant, low-latency communication with the Bastet Gateway.

This compact, battery-operated sensor is designed for flexible installation in tight spaces, offering a wide coverage angle and extended detection range to effectively monitor critical areas where rodent activity is likely.

Key Features

- **Optimized PIR Detection:** Highly sensitive PIR technology optimized for the movement patterns and thermal signatures of small pests.
- **Wide Coverage:** Provides a 120° detection angle and a 5M range, maximizing area monitoring with minimal units.
- **Low-Power Operation:** Uses a single CR2450 battery, offering long operational life and minimizing maintenance cycles.
- **Seamless Integration:** Communicates via the Zigbee channel for reliable mesh networking with the Bastet Gateway (HGZBTY02).

Technical Specifications

Parameter	Specification
Product Name	Rodent Detection Sensor (PIR)
Model Code	DSSFST01-ZB01
Communication Protocol	Zigbee
Antenna	1× Built-in Internal Antenna
Dimensions	84mm (H) × 34mm (W) × 34mm (D)
Enclosure Material	White ABS/PC (Polycarbonate)
Power Source	3V CR2450 Battery
Detection Distance	5M
Detection Angle	120° Degrees
Operating Temperature	−10°C to 55°C
Certification	CE, RoHS
Warranty	12 Months