

## IS2500SN

V-PLEX® PIR MOTION SENSOR



Designed to be used with Honeywell control panels that support V-Plex serial number polling loop devices, Honeywell's IS2500SN is a versatile, feature-rich PIR motion sensor that saves dealers time and money on installations. Automatic walk test saves installers a trip to disable the LED on each unit. Additional benefits include 45° terminal blocks for easy installation, a quicker warm-up time, a panel-initiated walk-test and faster system performance with the Smart Contact mode is critical for video and access control integration.

## FEATURES

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- **Smart Contact** is an enhanced V-Plex protocol, allowing the system to communicate with sensors differently. Smart Contact mode works with panels that are enabled for Smart Contact (VISTA-128FBP and VISTA-250FBP). Some of the key features of Smart Contact mode are:
  - **System Communication**  
When the system is disarmed, the panel sends a message to the motion sensor to go to sleep, as any motion event will be ignored. When the system is armed, the panel wakes up the motion sensor and it begins reporting events. This helps speed system performance for larger systems with many motions (malls, schools, office buildings). In these panels, each zone can be individually enabled as a Smart Contact. If it's critical to capture every event of a motion sensor to tag video, for example, Smart Contact mode can be turned off for that zone. Smart Contact helps speed up system performance, which is critical for integrating video and access with the intrusion system.
  - **Remote Walk Test Enable**  
Going to the panel, you can control Motion Walk Test (turning on the LED) from the keypad. This helps to perform the system check out after installation as well as any regular maintenance of the system. This saves time climbing ladders to enable and disable LED Walk Test.
- **High Traffic Inhibit**  
This is a feature that can be enabled for panels that do not support Smart Contact mode. The feature helps reduce V-Plex bus traffic on larger systems by randomizing the time between alarm messages. Initial alarms are sent with no delay, but subsequent alarms are delayed between five and 15 seconds (similar to the three minute inhibit on wireless).
- **Enhanced False Alarm Prevention Features**  
The IS2500SN offers more than the standard features that protect against false alarms due to RF signals, electrostatic discharge and electrical overstress.
- **Self-Testing for Consistently Reliable Operation**  
Concurrent diagnostics assure optimum performance and reliability. Self-testing is performed upon power-up and at least once every hour on the PIR, PCB circuitry and temperature compensation circuitry, turning on the LED if there is a problem.
- **Sturdy, Attractive Housing**  
The sleek, sturdy housing fits into a variety of building styles and blends with any room décor. ABS plastic is used for shock and impact protection. The housing offers a convenient wiring channel, knockouts for mounting and wiring and easy access to wiring terminals.
- **Uniform Sensitivity Optics**  
The custom-designed Fresnel lens provides the same sensitivity for human targets at the edge of the pattern as exists directly in front of the sensor, giving the IS2500SN consistent coverage throughout the protected area.

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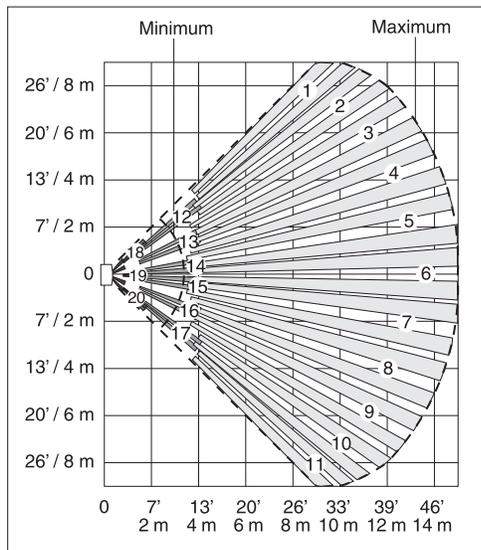


## FEATURES

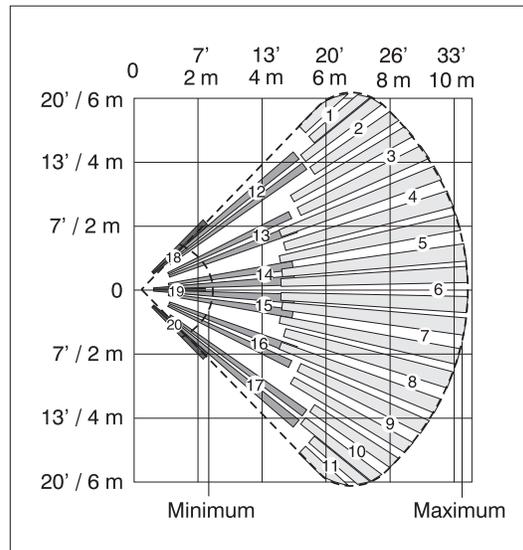
- Patented Mirror Look Down**  
 Provides better coverage up close with multiple zones in the look down area.
- Global Compliance**  
 Our designs meet many of the world's motion detector standards, including the new EN50131-1.
- White Light Immunity**  
 A patented black bug guard reduces false detects due to lights by 15%, by providing 6,500 lux of white light immunity. This helps reduce false alarm problems caused by lights, flashlights or reflective objects.
- Flexible Mountings**  
 The IS2500SN family mounts on walls, in corners or on ceilings with the SMB10 family of swivel brackets.

## DETECTION PATTERNS

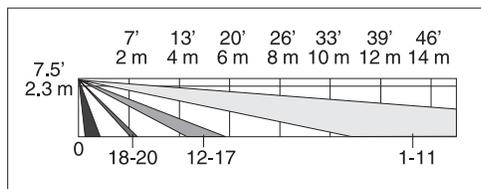
**Top View** Wide Angle Lens (installed)



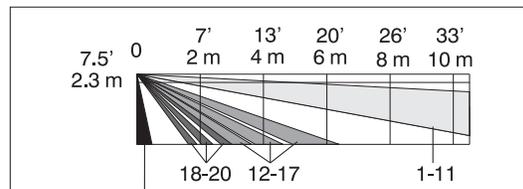
**Top View** Animal Immune Lens (included)



**Side View**



**Side View**



# IS2500SN

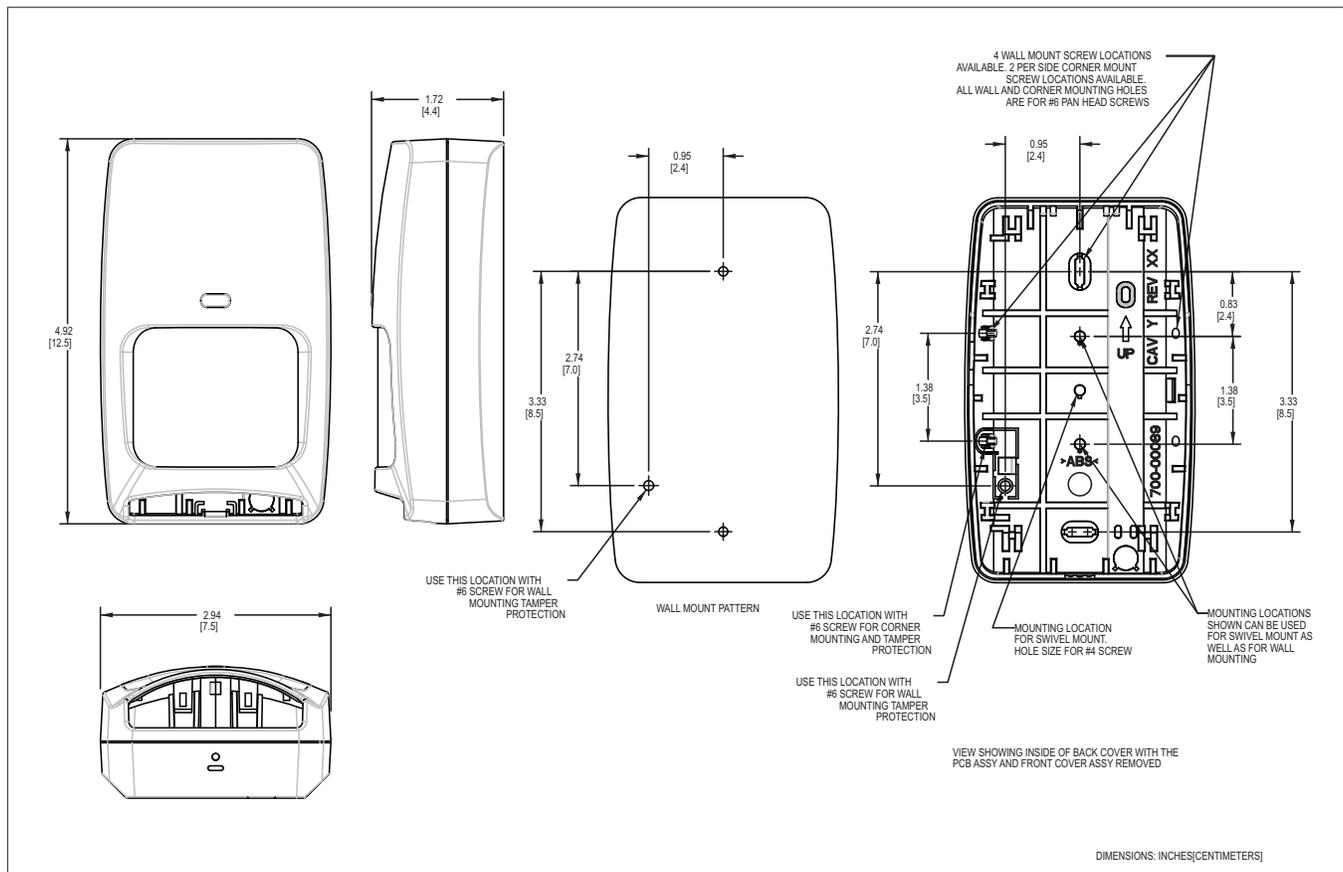
V-PLEX® PIR MOTION SENSOR

# Honeywell

## SPECIFICATIONS

- **Range**
  - 50' x 60' (15m x 18m)
  - 35' x 40' (11m x 12m) lens included
- **Mounting Height**
  - 6' - 9' (1.8m - 2.7m)
- **Animal Immunity (with 35' x 40' lens only)**
  - 0, 40 or 80 lbs. selectable
- **Frequencies**
  - 24.125 GHz (K-Band)
- **PIR White Light Immunity**
  - 6,500 Lux typical
- **Current Draw**
  - LED on (in alarm) = 4.7mA typical
  - LED off (quiescent) = 1.6mA typical
- **RFI Immunity**
  - 30V/m, 10 MHz - 1000 MHz
- **Operating Temperature**
  - 4° F to 131° F (-20° C to 55° C)
  - 5% - 95% relative humidity (non-condensing)
- **Self-Test Intervals**
  - End-to-end PIR Self-Test
  - Temperature Compensation
- **PIR Fields of View**
  - 44 long range
  - 12 intermediate
  - Six lower
  - Four look-down
- **Dimensions**
  - 4.93" x 2.93" x 1.68"  
(12.5cm x 7.5cm x 4.3cm)
- **Sensitivity**
  - Low (Pulse count 2): 3-4 steps
  - High (Pulse count 1): 2-3 steps
- **Temperature Compensation**
  - Advanced Dual Slope Temperature Compensation
- **Agency Listings**
  - EN50131-1 Grade 2, Class II
  - UL639
  - cUL S306-03
  - ETL
  - FCC
  - IC
  - C-Tick
  - CE
  - SIA-PIR-01

## MECHANICAL MOUNTING SPECIFICATIONS



# IS2500SN

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## ORDERING

**IS2500SN** V-Plex PIR Motion Sensor

### Accessories

**DT7000-LRLK** Long Range Lens Kit (10 pack)

**DT7000-HSLK** High Security Lens Kit (10 pack)

**DT7000-PALK** Pet Alley Lens Kit (10 pack)

**0-000-110-01** SMB10 Universal White Swivel Mount Bracket (5 pack)

**0-000-111-01** SMB10C Universal White Ceiling Mount Bracket (5 pack)



SMB10

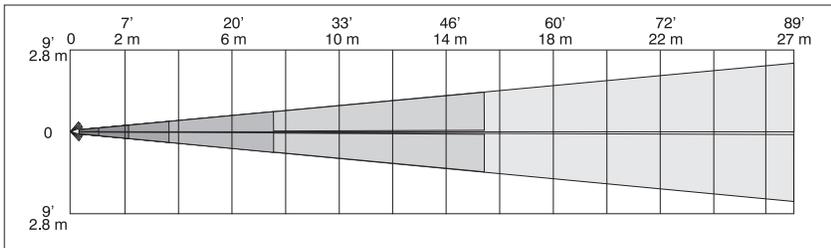


SMB10C

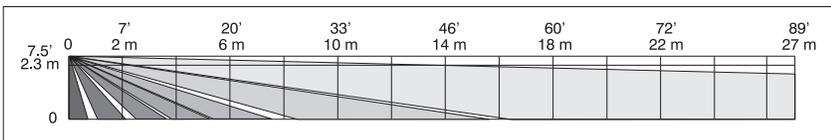
## DT7000-LRLK

### LR Curtain Lens Kit Pattern

#### Top View



#### Side View



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