Intelbras IVP2000SF

Intelbras IVP 2000 SF Wireless Passive Infrared Sensor Instruction Manual

Model: IVP2000SF

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Intelbras IVP 2000 SF Wireless Passive Infrared Sensor. This device is designed to detect motion by sensing infrared radiation emitted by moving objects, providing an essential component for security systems.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and operation.
- Do not expose the sensor to direct sunlight, extreme temperatures, or high humidity.
- Ensure the device is installed in a stable location to prevent accidental falls.
- Only use the specified battery type. Incorrect battery usage may cause damage or malfunction.
- Keep the device out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x Intelbras IVP 2000 SF Wireless Passive Infrared Sensor
- 1x Mounting Bracket
- 1x Set of Screws and Wall Plugs
- 1x Battery (Alkaline)
- 1x Quick Start Guide (this manual)

4. PRODUCT OVERVIEW

The Intelbras IVP 2000 SF is a wireless passive infrared sensor designed for indoor use. It features advanced detection technology to minimize false alarms and ensure reliable security monitoring.

Figure 1: Front view of the Intelbras IVP 2000 SF sensor. This image displays the white casing of the sensor with the Intelbras logo and "IVP 2000 SF" model designation clearly visible on the top front. The translucent detection lens is prominent on the lower front section.

Key Components:

- **PIR Lens:** Detects infrared radiation from moving bodies.
- **LED Indicator:** Provides status feedback (e.g., detection, low battery).
- **Battery Compartment:** Houses the power source.
- **Mounting Points:** For secure installation on a wall.

- **Tamper Switch:** Triggers an alarm if the sensor cover is opened.

5. Setup

5.1. Battery Installation

1. Open the sensor's front cover by gently prying it open from the bottom notch.

2. Insert the provided alkaline battery into the battery compartment, observing the correct polarity (+/-).

3. Close the front cover, ensuring it clicks securely into place.

5.2. Mounting the Sensor

The sensor is designed for wall mounting. Choose a location that provides optimal coverage of the area to be protected, avoiding direct heat sources or air conditioning vents.

1. Select a mounting height between 2.0 to 2.2 meters (6.5 to 7.2 feet) from the floor.

2. Use the mounting bracket as a template to mark the screw positions on the wall.

3. Drill holes at the marked positions and insert the wall plugs.

4. Secure the mounting bracket to the wall using the provided screws.

5. Attach the sensor unit to the mounting bracket, ensuring it is firmly seated.

5.3. Pairing with a Security System

Refer to your Intelbras security system or smart hub manual for specific instructions on how to add a new wireless sensor. Generally, the process involves:

1. Putting your security system into "pairing" or "enrollment" mode.

2. Activating the sensor (e.g., by triggering it or pressing a specific button, if available, or by installing the battery for the first time).

3. Confirming successful pairing through the system's interface or LED indicators.

6. Operating the Sensor

6.1. Detection Principle

The IVP 2000 SF sensor operates on the principle of passive infrared (PIR) detection. It detects changes in infrared energy within its field of view, which are typically caused by the movement of a warm body. When a significant change is detected, the sensor transmits a signal to the connected security system.

6.2. LED Indicator Status

- **Brief Flash:** Indicates motion detection.

- **Continuous Flash:** May indicate low battery or a fault. Refer to the troubleshooting section.

- **No Light:** Normal standby mode, or battery is completely depleted.

6.3. Detection Range and Coverage

The sensor typically offers a detection range of up to 12 meters (39 feet) with a coverage angle of approximately 90 degrees. Optimal performance is achieved when movement occurs across the sensor's field of view rather than directly towards it.

7. Maintenance

7.1. Cleaning

Periodically clean the sensor's lens and casing with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the device.

7.2. Battery Replacement

When the LED indicator signals a low battery (e.g., continuous flashing or specific system notification), replace the battery promptly. Follow the battery installation steps outlined in section 5.1. Dispose of old batteries according to local regulations.

7.3. Regular Checks

Test the sensor's functionality regularly (e.g., monthly) by walking through its detection zone to ensure it triggers an alarm or notification on your security system.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Sensor not detecting motion.	- Low or dead battery. - Incorrect mounting position. - Obstruction in detection path. - Sensor not paired correctly.	- Replace battery. - Adjust mounting height/angle. - Clear any obstructions. - Re-pair the sensor with the security system.
False alarms.	- Direct sunlight or heat sources. - Air conditioning/heating vents. - Pets (if not pet-immune model). - Loose mounting.	- Relocate sensor away from heat/sun. - Ensure stable mounting. - Consult system manual for pet immunity settings if applicable.
LED indicator flashing continuously.	Low battery.	Replace the battery.
Sensor not communicating with the security system.	- Out of range. - Interference. - System not in pairing mode.	- Relocate sensor closer to the system. - Check for sources of wireless interference. - Ensure system is in pairing mode during enrollment.

9. SPECIFICATIONS

- **Brand:** Intelbras
- **Model:** IVP2000SF
- **Power Source:** Battery powered
- **Battery Type:** Alkaline
- **Mounting Type:** Wall mount
- **Compatible Devices:** Intelbras security systems and smart home hubs
- **Product Dimensions:** Approximately 17 x 10 x 9 cm (6.7 x 3.9 x 3.5 inches)
- **Detection Method:** Passive Infrared (PIR)
- **Detection Range:** Up to 12 meters (39 feet)
- **Detection Angle:** Approximately 90 degrees
- **Operating Environment:** Indoor use only

10. WARRANTY INFORMATION

Intelbras products are covered by a limited warranty. For detailed warranty terms and conditions, please refer to the official Intelbras website or contact their customer support. Keep your proof of purchase for warranty claims.

11. SUPPORT

If you encounter any issues or have questions regarding your Intelbras IVP 2000 SF sensor that are not covered in this manual, please contact Intelbras customer support through their official channels:

- **Website:** Visit the official Intelbras website for support resources, FAQs, and contact information.
- **Phone:** Refer to the contact section on the Intelbras website for local support numbers.