



User manual

IVP 1000 PET



IVP 1000 PET

Passive infrared motion sensor

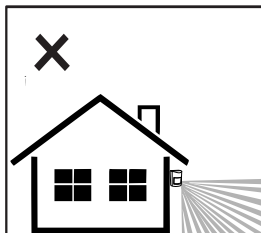
Congratulations, you have just purchased a product with Intelbras quality and safety.

The IVP 1000 PET motion sensor has passive infrared detection technology, with advanced signal analysis technology that prevents accidental activation.

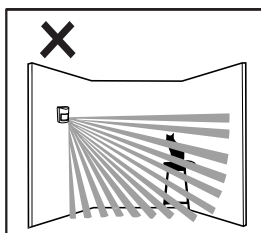


Care and safety

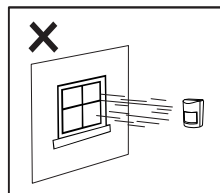
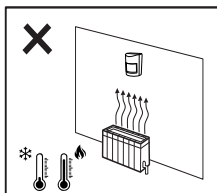
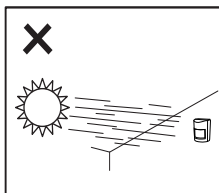
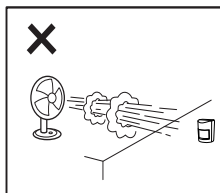
- » This product is intended for indoor environments.



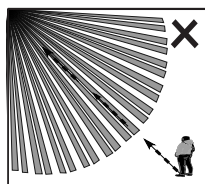
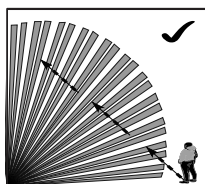
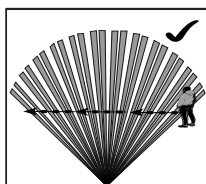
- » The *PET* function is intended for crawling animals weighing up to 20 kg. If the animal is on a bench, for example, the *PET* function can be canceled.



- » Do not use the sensor in areas with sudden temperature changes such as air conditioners, heaters, fans, refrigerators, and ovens. Do not expose the sensor to direct sunlight.

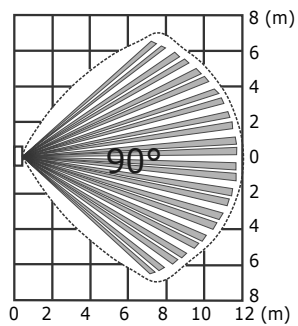


- » Avoid touching the surface of the PIR, if necessary, use a soft cloth for cleaning.
- » Do not place objects in front of the sensor. To ensure the detection area, avoid curtains, screens, folding screens, or any object that blocks the scan.
- » The sensor must be installed where an intruder can be easily detected, that is, where it perform transversal movements to the detection beams.

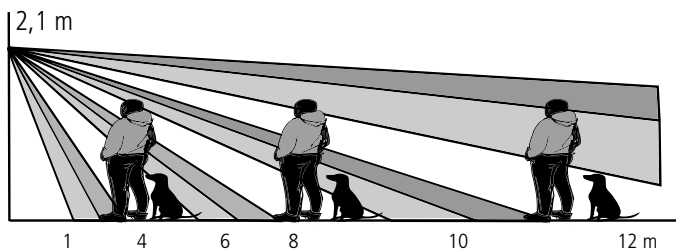


- » The recommended installation height is between 2.0 and 2.40 meters. If the sensor is installed at a different height from the one specified, its detection and *PET* function can be impaired, canceling the *PET* immunity.

Detection area (top view)



Detection angle (side view)



Summary

1. Technical specifications	6
2. Characteristics	6
3. Product	7
4. Installation	7
5.Sensitivity setting	9
6. Operation	9
7. Test	9
Warranty term	10



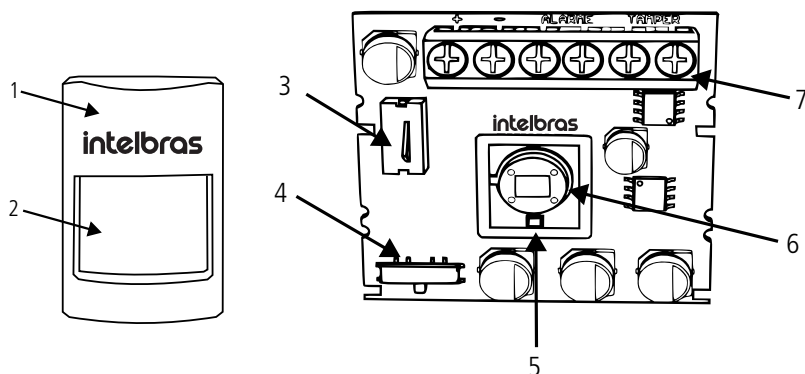
1. Technical specifications

Operating voltage	9 ~ 16 Vdc
Operating current	13 mA
Detection angle	90°
Detection range	12 meters
Detection method	PIR
Immunity to crawling animals	Up to 20 Kg
Sensitivity adjustment	3 levels (1P – 2P – 3P)
Startup time	Up to 60 seconds
Operating temperature	-10° to 50°C
Relay output	NC, 28 Vdc and 100 mA max
Relay opening time	3 seconds
Installation height range	2.0 to 2.4 meters
Recommended installation height	2.1 meters
Dimensions (W × H × D)	50 × 75 × 42 mm
Weight	0.05 kg

2. Characteristics

- » Microcontrolled signal processing;
- » Automatic temperature compensation to reduce false alarms;
- » White light immunity up to 10,000 lux;
- » High RFI/EMI immunity;
- » Adjustable infrared sensitivity (PIR);
- » Immunity to crawling animals weighing less than 20 kg;
- » Anti-tamper protection (tamper switch).

3. Product



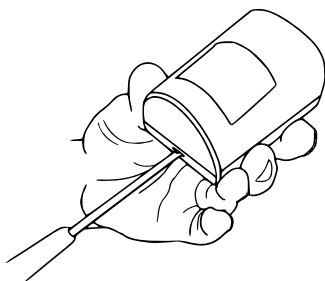
1. Cabinet
2. Fresnel lens
3. Tamper switch
4. Sensitivity selector switch
5. Blue LED
6. Pyroelectric sensor
7. Terminal block

4. Installation

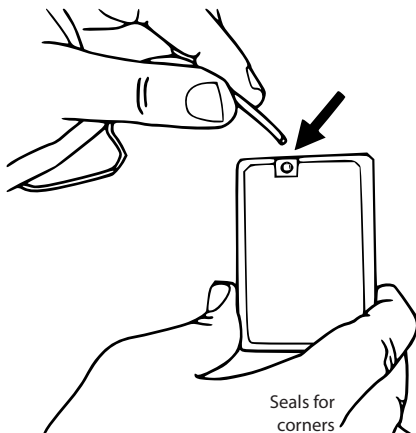
The sensor must be installed on a flat, fixed, and vibration-free surface, at a height between 2.0 and 2.4 meters. It is recommended to install the sensor parallel to the wall for the greatest detection range. If the sensor is installed at an angle, its detection range and *PET* function may be impaired in order to cancel the function.

To install the sensor, follow the procedure below:

1. Open the front cover of the sensor using a screwdriver or a similar tool.



2. Pull the wiring through the cable entry located at the rear of the sensor.

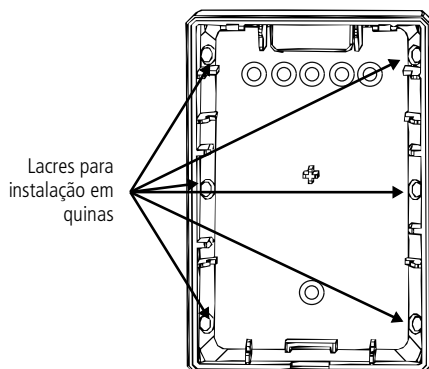
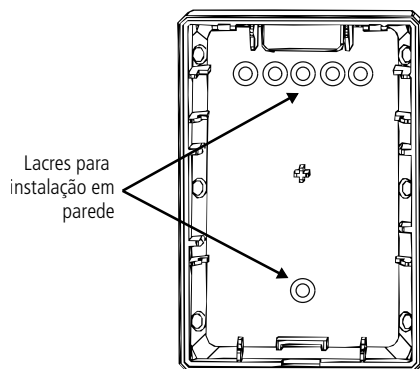


Seals for wall
installation

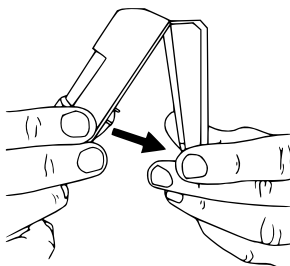
Seals for corners
installation

1. Drill the hole where indicated.

3. Connect the cables to the sensor terminals and install it in the location to be protected using the screw locations as shown in the following figures:



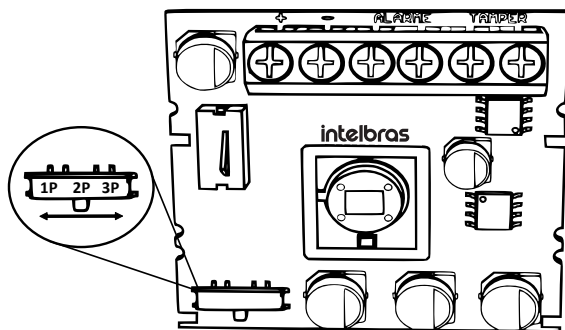
4. Close the case, first fitting the top of the front cover and lowering it perpendicularly towards the bottom of the sensor.



5. Sensitivity setting

The sensor has a selector switch to adjust sensitivity, which can be adjusted between 3 detection levels.

- » 1P: maximum sensitivity for motion detection;
- » 2P: medium sensitivity (factory default);
- » 3P: minimum sensitivity for greater robustness against accidental activation.

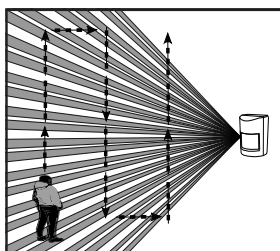


6. Operation

The sensor has a blue LED, which can illuminate the Fresnel lens during detection. During the stabilization period (up to 60 seconds after feeding the sensor) the LED will flash every second. Then, the LED will light up with every motion detection.

7. Test

Once installed and energized, walk through the area to be protected simulating a possible intrusion. Observe if the sensor is able to detect its movements during the course, through the lighting of the lens. Adjust its sensitivity if necessary or reposition the sensor installation.



Warranty term

It is expressed that this contractual guarantee is granted under the following conditions:

Client name:

Customer's signature:

Invoice number:

Purchase date:

Model:

Serial number:

Dealer:

1. All parts, pieces, and components of the product are warranted against any manufacturing defects, which may present, for a period of 1 (one) year – 90 (ninety) days of legal warranty and 9 (nine) months of contractual warranty –, as of the date of purchase of the product by the Consumer, as stated in the invoice for the purchase of the product, which is an integral part of this Term throughout the national territory. This contractual guarantee includes the free exchange of parts, pieces, and components with a manufacturing defect, including labor expenses in the repair. If no manufacturing defect is found, but a vice arising from improper use, the Consumer shall bear such expenses.
2. The product must be installed according to the Product Manual and/or Installation Guide. If your product requires installation and configuration by a qualified technician, look for a suitable and specialized professional, and the costs of these services are not included in the price of the product.
3. Once the defect is found, the Consumer must immediately contact the nearest Authorized Service in the list provided by the manufacturer – only these workshops are authorized to examine and solve the defect during the warranty period provided for herein. If this is not respected, this guarantee will lose its validity, as it will be characterized as a product violation.
4. In the event that the Consumer requests home service, it should go to the nearest Authorized Service for consultation of the technical visit fee. If the product needs to be withdrawn, the resulting expenses, such as transportation and safety in the product's trips, are under the responsibility of the Consumer.
5. The warranty will be totally void in any of the following events: a) if the defect is not a manufacturing defect, but caused by the Consumer or by third parties foreign to the manufacturer; b) if the damage to the product comes from accidents, acts of God (lightning, floods, landslides, etc.), humidity, voltage in the electrical network (overvoltage caused by accidents or excessive fluctuations in the network), installation/use in disagreement with the user manual or due to the natural wear and tear of parts, pieces, and components; c) if the product has been influenced by a chemical, electromagnetic, electrical, or animal nature (insects, etc.); d) if the product's serial number has been tampered with or erased; e) if the device has been tampered with.
6. This warranty does not cover data losses, therefore, it is recommended that the Consumer regularly back up the data contained in the product, if applicable.
7. Intelbras is not responsible for the installation of this product, and also for any attempted fraud and/or sabotage of its products. Keep software and applications updates up to date, if applicable, as well as the required network protections to protect against intrusions (hackers). The equipment is warranted against vices within its normal conditions of use, it is important to be aware that, as in any electronic equipment, it is not free from fraud and scams that may interfere with its correct operation.
8. After its useful life, the product must be delivered to an Intelbras authorized technical assistance or directly disposed of it in an environmentally appropriate final manner, preventing environmental and health impacts. If preferable, the battery as well as other unused Intelbras electronics can be disposed of at any collection point of Green Eletron (electronic waste manager to which we are associated). For questions about the reverse logistics process, please contact us by phone (48) 2106-0006 or 0800 704 2767 (Monday to Friday from 8 am to 8 pm and on Saturdays from 8 am to 6 pm) or through e-mail suporte@intelbras.com.br.

These being the conditions of this complementary Warranty Term, Intelbras S/A is entitled to the right to change the general, technical, and aesthetic characteristics of its products without prior notice.

All images in this manual are illustrative.

Product benefited by the Informatics Legislation.

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Support via e-mail: suporte@intelbras.com.br

Customer Service: 0800 7042767

Where to buy? Who installs it? 0800 7245115

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