



## Intelbras IVP 8000 Pet Passive Infrared Sensor User Guide

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# intelbras

User guide  
IVP 8000 Pet

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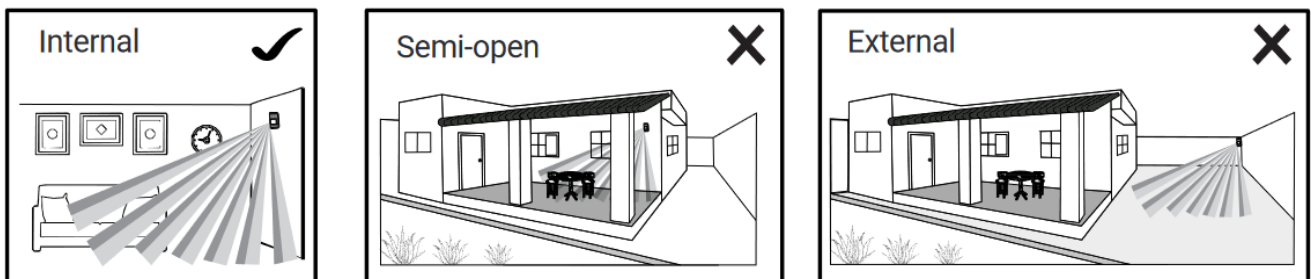
## VP 8000 Pet Passive infrared sensor

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

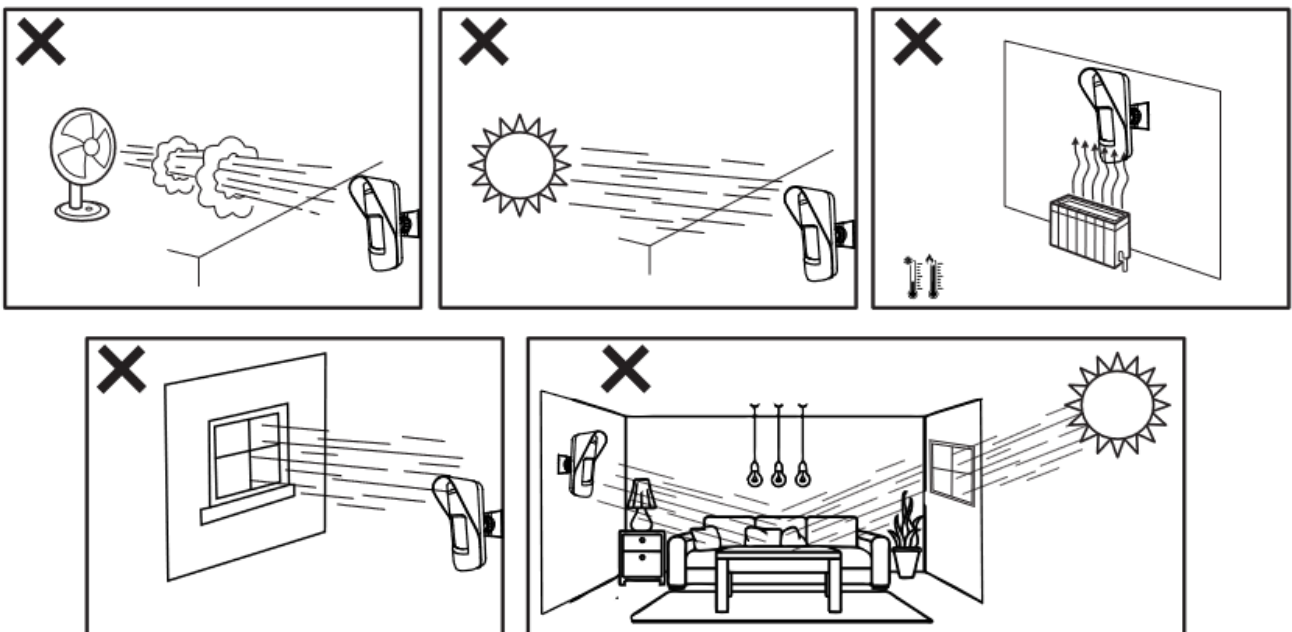
The passive infrared motion sensor IVP 8000 Pet has an intelligent detection algorithm that, combined with automatic temperature compensation, prevents false triggers. Allows quick and simple configuration remotely through software or application. Immune to pets, it allows installation indoors with pets weighing up to 20 kg. Increased security against tampering through front and rear tamper switches. Totally wireless system that facilitates and reduces installation costs.

### Care and safety

- LGPD – Data processing by Intelbras: Intelbras does not access, transfer, capture or process any kind of personal data from this product.
- Follow all instructions in the manual for assembling and installing the product;
- Fix the sensor on stable surfaces, where there are no vibrations;
- This sensor is intended for an indoor environment;



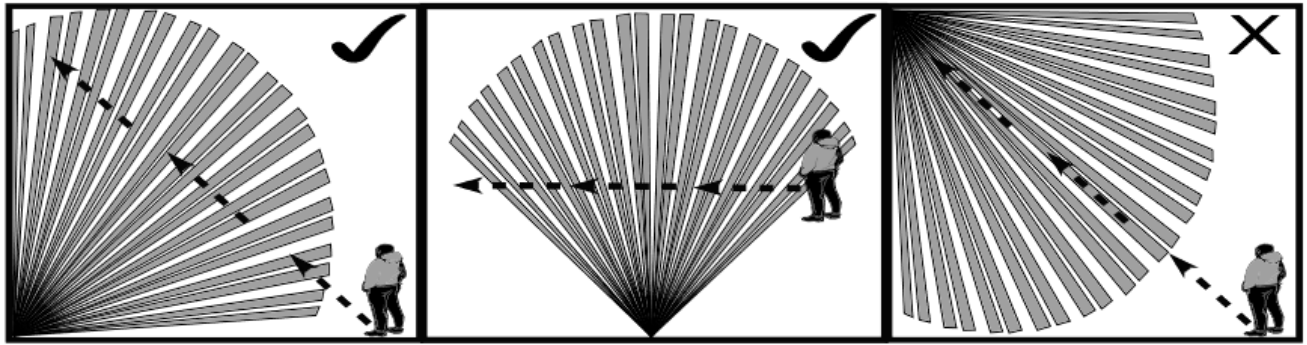
- Do not use the sensor in areas with sudden changes in temperature, such as near air conditioners and heaters, fans, refrigerators and ovens. Do not expose the sensor to direct or reflected sunlight;



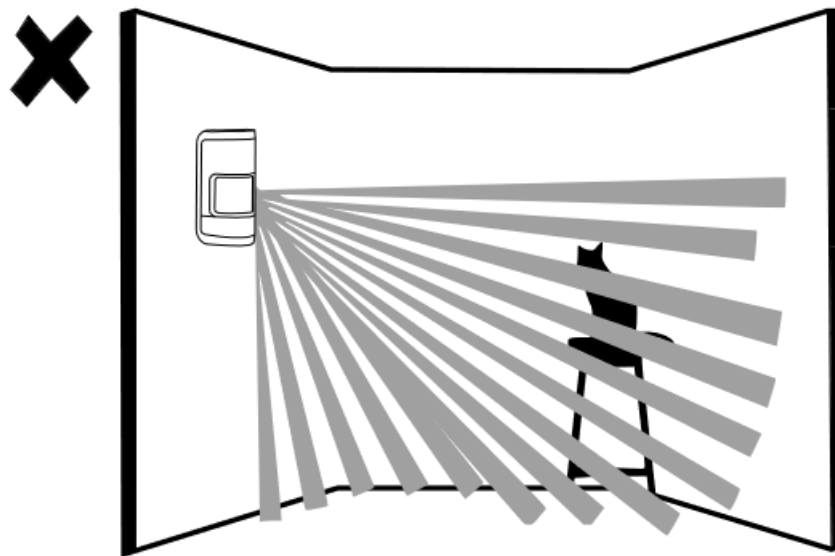
- Do not install the sensor facing windows and glass doors;
- Wireless communication technology, when exposed to environments with high power irradiation, may suffer interference and have its performance impaired. Example: locations close to TV towers, AM/FM radio stations, amateur radio stations, routers, etc;
- Do not touch the surface of the infrared (PIR) sensor. If necessary, use a cleaning cloth;
- The recommended maximum installation height is 2.20 m, do not exceed it;
- Do not place objects in front of the sensor. To ensure the detection area, avoid curtains, screens, creens, or

any object that may interfere with its coverage area;

- The sensor must be installed where a possible intruder can be easily detected, that is, where it makes transverse movements to the detection beams (see the figure below);

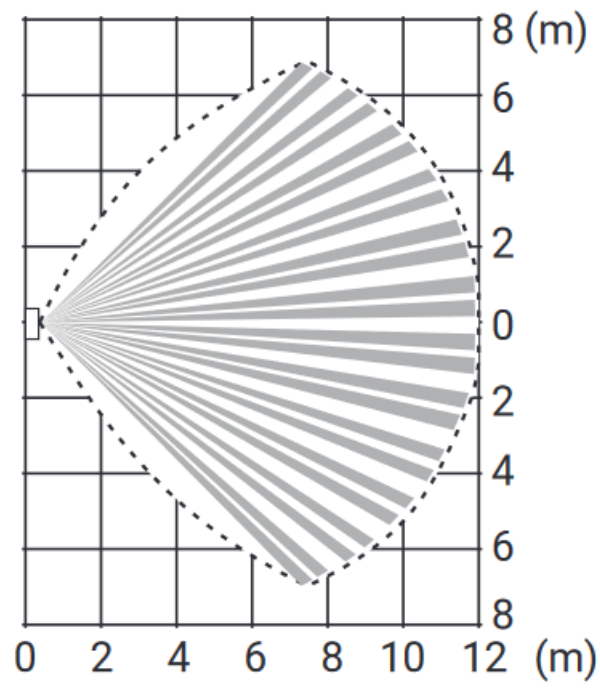


- The Pet function is intended for crawling animals weighing up to 20 kg. If the animal is on top of a bench, for example, the Pet function can be canceled.



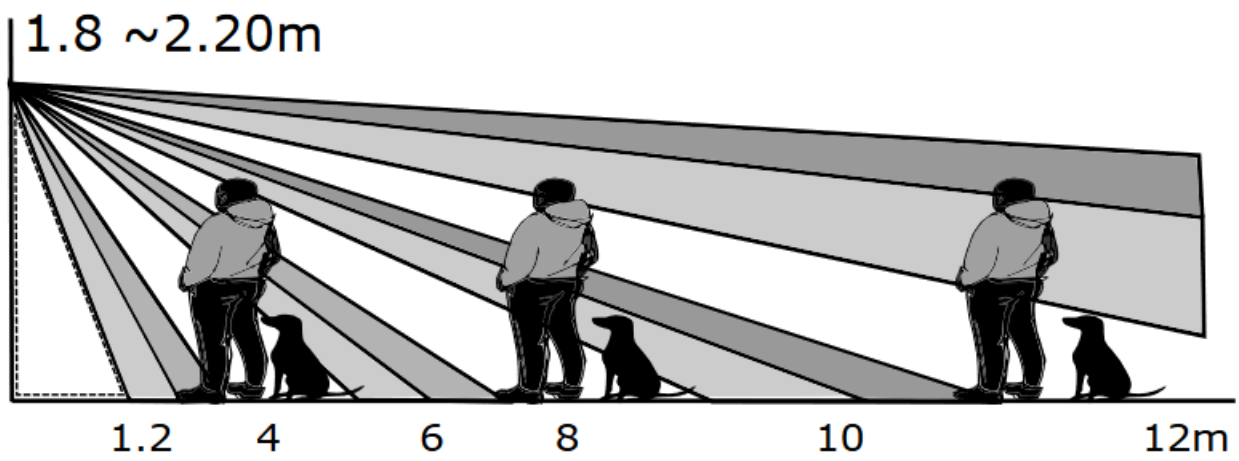
**Obs:** before starting the installation, it is necessary to define the height at which the sensor will be positioned, which can vary from 1.8 to 2.2 m. If the sensor is installed at a height of less than 1.8 m or is tilted downwards, the Pet function will be compromised.

## Scan



*Upper view*

Detection range



*Side view*

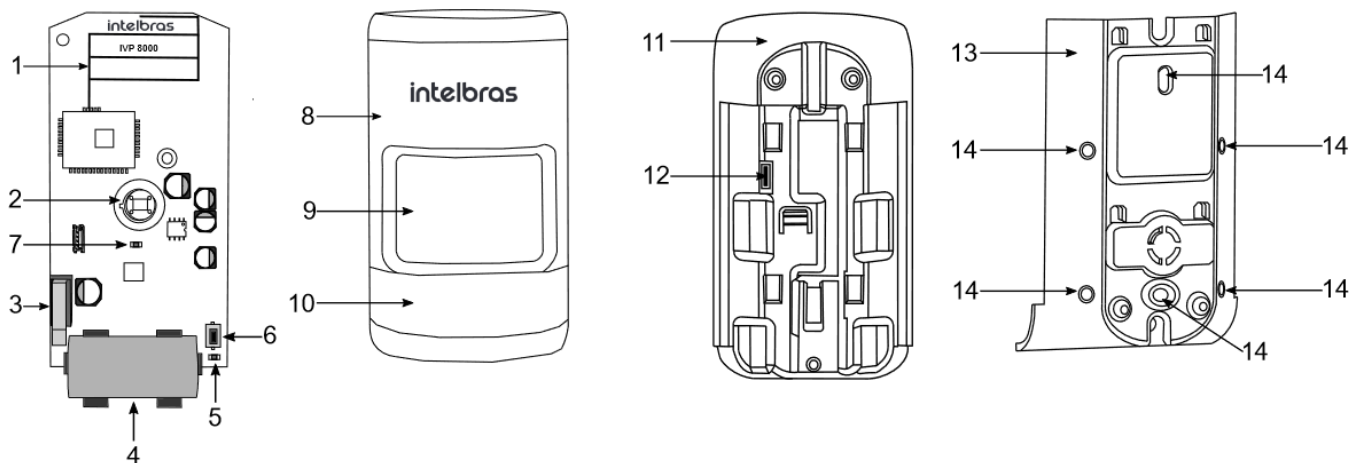
Technical specifications

Operating voltage	3 Vdc
Operating current	26 mA
Current at rest	6uA
Frequency range	915 MHz to 928 MHz
Modulation	DSSS BPSK 40 Kbps
Maximum transmission power	11 dBm
Battery	LITHIUM CR123A 3 V
Detection angle	90°
Detection range	12 m
Detection method	PIR
Animal immunity	Up to 20 kg
Maximum startup time	60 seconds
Operating Temperature	-10 °C ~ +50 °C
RF range	1000 meters no hurdles
Dimensions (W × H × D)	68 × 55 × 120 mm

## Characteristics

- Automatic real-time temperature compensation.
- Intelligent algorithm that prevents false triggers;
- Verification of communication status through LED, keyboard and application;
- Wireless communication with range of up to 1000 meters with direct sight in open field;
- Front and rear tamper switch (tamper switch);
- Supervised wireless communication;
- Encrypted transmission;
- Sensor configuration through applications;
- Immunity to crawling animals weighing less than 20 kg;
- Immunity to white light up to 10,000 lux;
- Ease of installation.

## Product

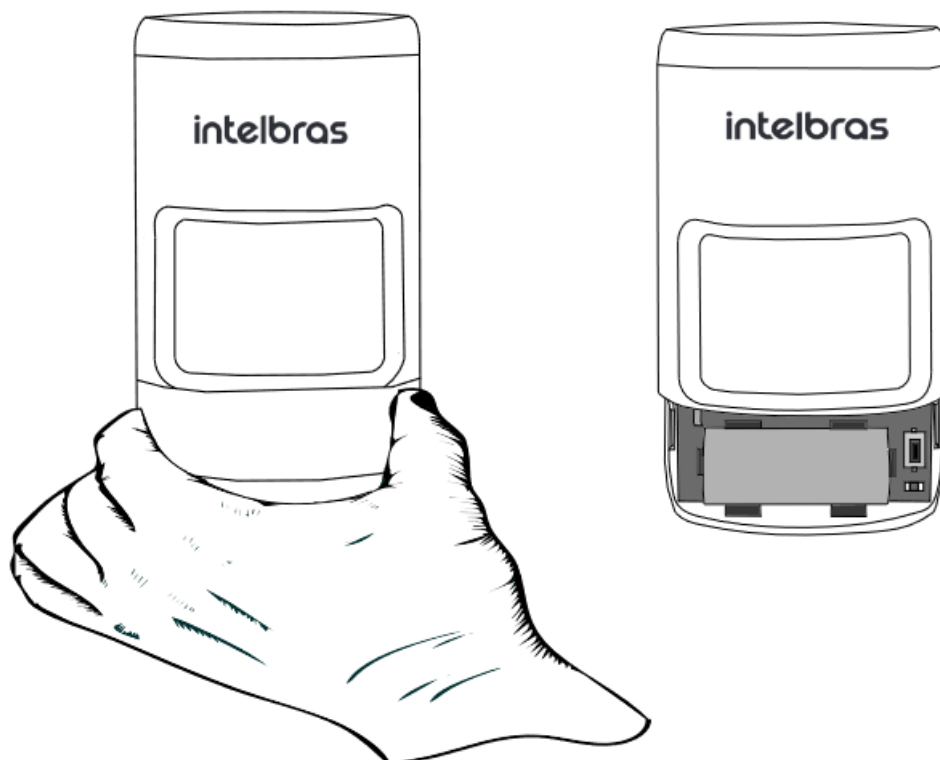


1. Antenna
2. Pir sensor
3. Front Tamper Wrench
4. Battery connector
5. LED status
6. Sync key
7. Blue LED (Trigger)

8. Front cover
9. Fresnel lens
10. Lower front cover
11. Basis
12. Back tamper switch
13. Bracket
14. Screw installation seal

### Sensor aperture

To access the IVP 8000 Pet sensor board for registration, changing the battery or removing it from the control panel, remove the lower front cover. See image below:



### Sensor stabilization

After inserting the battery, the sensor goes into stabilization mode and the blue LED flashes for a few seconds. When stabilization is complete, the blue LED will stop flashing.

### Registering the IVP 8000 Pet sensor

The sensor registration can be performed through the AMT 8000 Desktop Programmer software, remote AMT mobile application, keyboard commands and synchronization button on the alarm center. Follow one of the options below for registration through the synchronization button on the control panel. In this type of registration, the address of the sensors follows the registration sequence, Example: First sensor will be registered in zone 1, the second sensor in zone 2 and so on. For other forms of registration, please consult the complete manual of the AMT 8000 control panel.

### 6.1. Sensors with firmware version equal to or greater than 3.0.0 1.

1. Press the alarm control panel synchronization button;
2. LED 3 on the control unit stays on for 3 minutes, indicating that it is waiting for the sensor to register;
3. Insert the battery and wait for the sensor to stabilize;
4. Press the sensor synchronization switch;
5. The status LED will flash green indicating the correct registration. If it flashes red, the registration was not carried out and the procedure must be repeated.

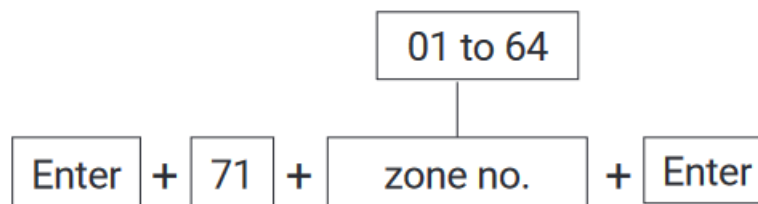
### 6.2. Sensors with firmware version less than 3.0.0 1.

1. Press the alarm control panel synchronization button;
2. LED 3 on the control unit stays on for 3 minutes, indicating that it is waiting for the sensor to register;
3. Insert the battery (If the sensor already has a battery, press the synchronization key);
4. The status LED will flash green indicating the correct registration. If it flashes red, the registration was not carried out and the procedure must be repeated.

## Deleting the sensor record

To remove the device from the control panel, two steps are necessary, one directly on the sensor and the other on the control panel.

- Sensor: press and hold the sensor timing switch for approximately 10 seconds, watching the status LED blink red twice slowly.
- Alarm control panel: enter the programming mode and type the command below:



For other ways to remove the sensor from the control panel, please refer to the complete manual of the AMT 8000 control panel.

## Identifying the best location for installation

The IVP 8000 Pet sensor has signal level indications for communication with the AMT 8000 control panel, to help choose the best installation location. Follow the procedure:

1. Take the sensor, duly registered, to the place to be installed;

2. Check the position where the sensor can cover the entire environment, respecting the installation height, according to the image in the item Detection range;
3. Position the sensor in the exact location where it will be installed and perform a transmission through a detection or tamper opening;
4. Observe the color that the LED will light and check in the following table if the sensor can be installed in that location.

LED status	level of communication
Green	Excellent signal level (recommended installation location)
Orange	Local regular signal level not recommended for installation (communication failure may occur)
Red	No communication (do not install on site)
Blue	Intrusion Detection

If the signal level is not excellent, reposition the sensor or use a REP 8000 repeater and perform the procedure again. For more information about the REP 8000 repeater, consult the manual on the website:

[www.intelbras.com.br](http://www.intelbras.com.br).

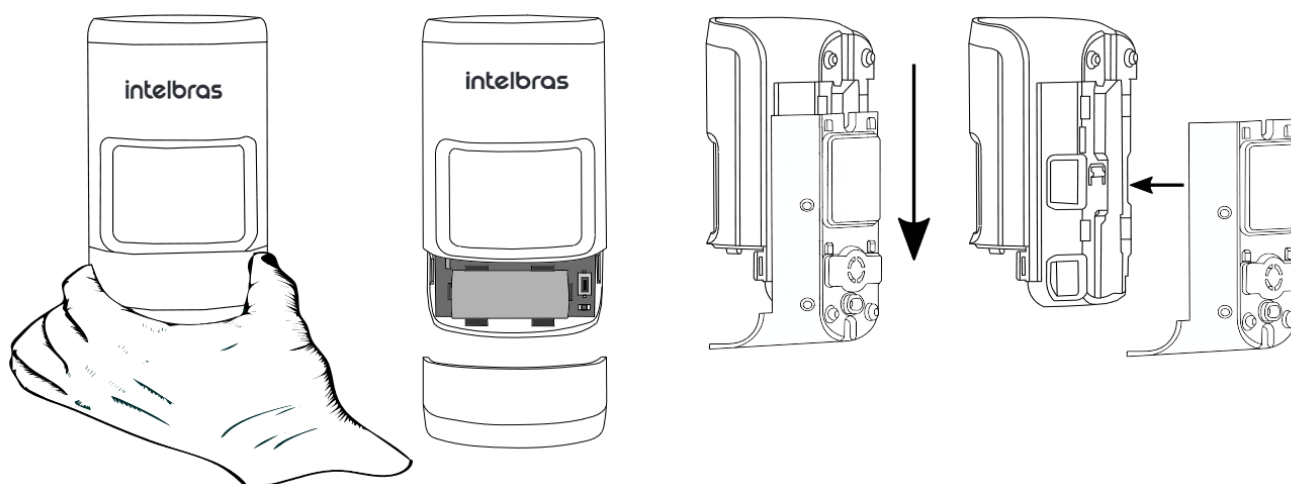
## Installation

After identifying the best installation location, follow the recommendations:

- It must be installed at a height of 1.8 m to 2.2 m and positioned so that the intruder makes transverse movements to the sensor's detection radius.
- It is not recommended to install the sensor tilted up or down as this may impair its PET or detection function.
- Make sure the sensor is securely fixed and not subject to jitter in order to avoid unwanted triggers.

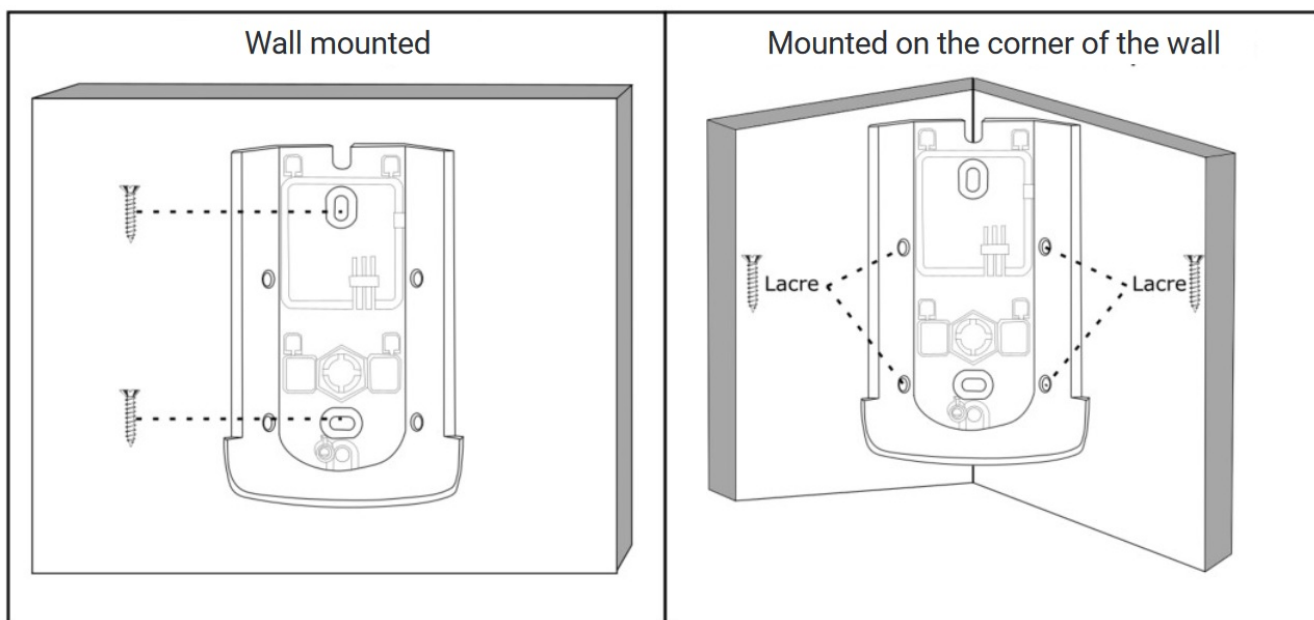
The IVP 8000 Pet sensor does not have an articulator. Therefore, for its installation, follow the procedure:

1. Remove the lower front cover and remove the rear bracket from the base by sliding it downwards, as shown in the picture.

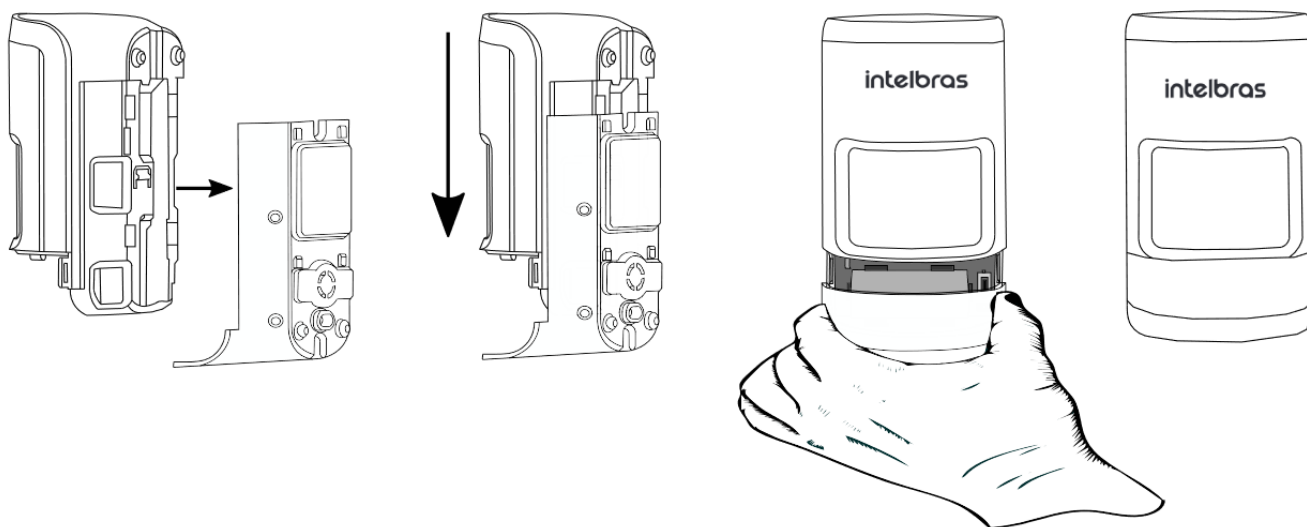


2. For installation directly on the wall or in a corner of the wall, break the indicated seals for the holes in the bracket.





3. After fixing the bracket, fit the base on the bracket and slide it down and then fit the lower front cover.

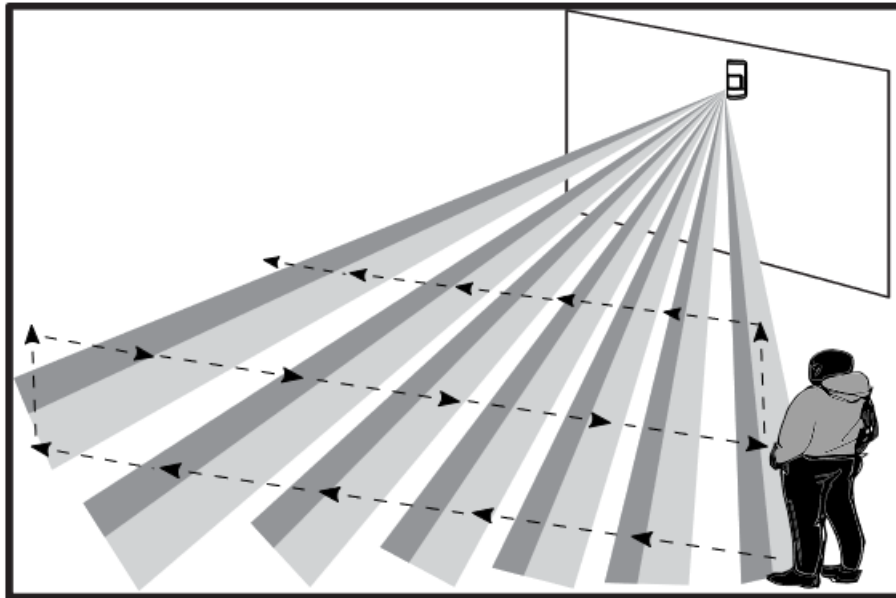


## Trial period

The sensor goes into test mode, for 15 minutes, after registering the sensor in the AMT 8000 control panel or pressing the synchronism key so that it is possible to carry out positioning adjustments. During this period, at any motion detection, the blue LED lights up and a trigger is generated, regardless of the settings that are applied.

## Test

Once installed and running, walk across the area to be protected simulating a possible intrusion in the environment. Check if the sensor is able to detect your movements during the course, through the Blue LED (triggering). Adjust the sensitivity if necessary or reposition the sensor. Be sure to take all precautions and follow installation recommendations to get the best operating performance from your product.



## Configuring the IVP 8000 Pet sensor

Sensor settings can be performed via keyboard, software or application. The configured functions are:

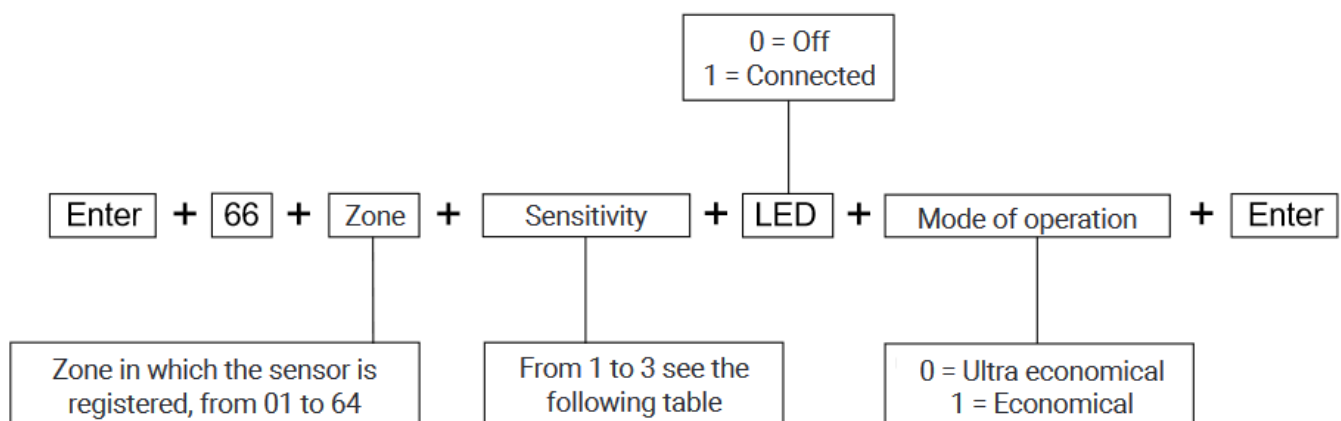
- Detection sensitivity.
- Detection blue LED, lit or not lit.
- Operation mode.

The configuration will only actually be applied to the sensor after communication with the control panel, whether through a trip, activating the tamper or pressing the synchronization button.

The settings may vary according to the sensor version, the differences are exemplified below.

### 12.1. Configuring sensors with firmware version equal to or greater than 3.0.0 Configuring the sensor via the keyboard

Using the keyboard of the AMT 8000 control panel, enter the programming mode with the installer password, then type the following command:



### 12.2. Information about sensor adjustments

Sensitivity adjustment table.

Level	Condition
1	Maximum sensitivity
2	Medium sensitivity (factory default)
3	Minimum sensitivity

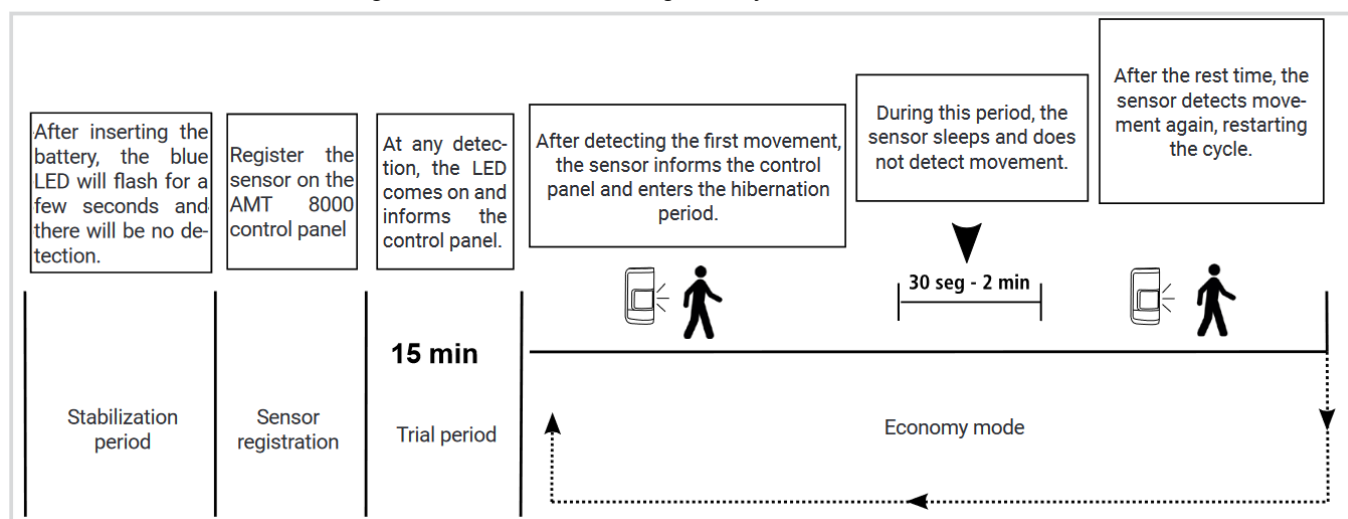
### 12.3. Information about LED operation and mode of operation

- Off: LED does not light. Factory standard.
- On: LED will light on every sensor detection.


#### Operation mode

- Economical: when detecting movement, it turns on the LED, generates the trigger and goes into hibernation, remaining for a period that can last from 30 seconds (environment with little movement) to 2 minutes (environment with a lot of movement). During this sleep period the LED is not activated and no new triggers are generated, as a notification has just been sent to the control panel. After the hibernation period, the sensor monitors the environment again until a new movement is detected.

This ability to learn from the movement of the environment means that in places with a lot of movement, periodic and non-continuous shots are generated, in turn, saving battery life.



- Ultra Economical: the sensor does not detect movements in the environment while the control panel is disarmed. Only communication with the alarm control panel. Factory standard.

 The operating modes are valid only for the panel disarmed and after the test period. After arming the control panel, it is necessary to wait up to 3 minutes for the sensor to continuously detect movement. After the test period, the activation of the detection LED will be conditioned to the configuration enabled in the control panel.

### 12.4. Configuring the sensor through the app

After the application is properly connected to the alarm panel, select Configure panel on the main screen of the App.

Menu	
Configure center	>
Online	>
Events	>

**Then select sensors:**

Settings	
General	>
Zones	>
Passwords	>
Communication	>
Event codes	>
IP monitoring	>
ethernet/wifi	>
GPRS	>
Scheduled activation/deactivation	>
Sensors >	

**Once this is done, select the sensor you want to configure. Example: sensor 1.**

**Sensors**

Sensors	
Sensor 1	>
Sensor 2	>
Sensor 3	>
Sensor 4	>
Sensor 5	>
Sensor 6	>
Sensor 7	>
Sensor 8	>
Sensor 9	>
... Sensor 64	>

**After selecting the sensor, the following adjustment screen will open.**

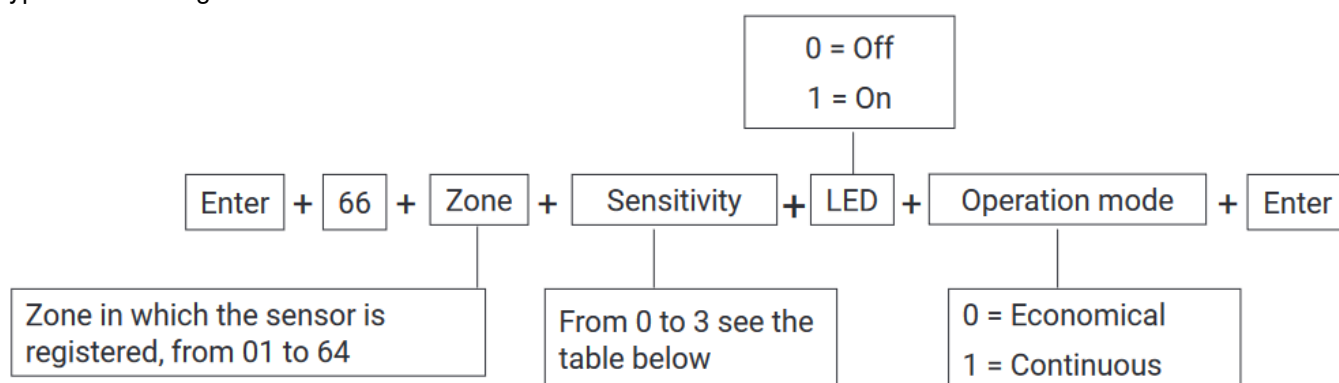
**Sensor 1**

Sensitivity	
Level 1 (maximum sensitivity)	<input type="radio"/>
Level 2 (medium sensitivity)	<input checked="" type="radio"/>
Level 3 (minimum sensitivity)	<input type="radio"/>
LED	
Always off	<input checked="" type="radio"/>
On when shooting Operation mode	<input type="radio"/>
Ultra economical mode	
Economy mode	<input type="radio"/>
Discard changes	Save

## 12.5. Configuring sensors with firmware version less than 3.0.0

### Configuring the sensor via the keyboard

Using the keyboard of the AMT 8000 control panel, enter the programming mode with the installer password, then type the following command:



### Information about sensor adjustments

Sensitivity adjustment table.

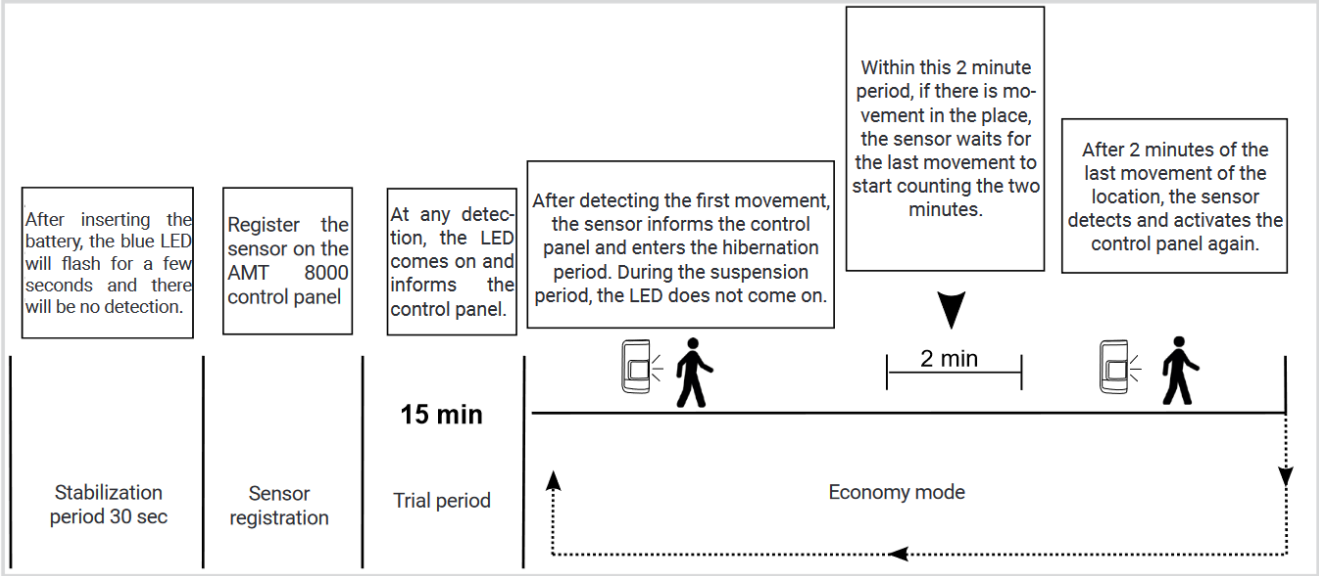
Level	Condition
0	Minimum sensitivity
1	Normal sensitivity
2	Intermediate sensitivity (factory default)
3	Maximum sensitivity

### Information about LED operation and mode of operation

- Off: LED does not light. Factory standard.
- On: LED will light on every sensor detection.

### Operation mode

- Economical: when motion is detected, it triggers and goes into sleep and waits for two minutes without movement for it to detect again. Factory standard.



### 12.6. Configuring the sensor through the app

After the application is properly connected to the alarm panel, select Configure panel on the main screen of the App.

Menu	
Configure center	>
Online	>
Events	>

Then select sensors:

Settings	
General	>
Zones	>
Passwords	>
Communication	>
Event codes	>
IP monitoring	>
ethernet/wifi	>
GPRS	>
Scheduled activation/deactivation	>
Sensors	>

Once this is done, select the sensor you want to configure. Example: sensor 1.

Sensors	
Sensor 1	>
Sensor 2	>
Sensor 3	>
Sensor 4	>
Sensor 5	>
Sensor 6	>
Sensor 7	>
Sensor 8	>
Sensor 9	>
... Sensor 64	>

After selecting the sensor, the following adjustment screen will open.

**Sensor 1**

<b>Sensitivity</b>	
Level 0 (minimum sensitivity)	<input type="radio"/>
Level 1 (normal sensitivity)	<input type="radio"/>
Level 2 (intermediate sensitivity, factory default) <input checked="" type="radio"/>	
Level 3 (maximum sensitivity)	
<b>LED</b>	
Always Off	<input checked="" type="radio"/>
On when shooting	<input type="radio"/>
Operation mode	
Economy Mode	<input checked="" type="radio"/>
Continuous Mode	<input type="radio"/>
Discard changes	Save

**Obs.:** for configuring the adjustments check the sensitivity table, the explanations of the LED operation and the Operation mode.

For more information about the AMT REMOTO application, consult its tutorial.

## Battery

The sensor monitors the battery level and sends low battery information to the alarm control panel, indicating that the battery must be replaced.

Use only quality batteries that are sized correctly for the device. The estimated useful life for the battery is 3 to 5 years, and may be influenced by the number of activations, weather conditions and sensor configuration mode.

## Battery replacement

Para substituir a bateria do produto:

- Remove the discharged battery.
- Press the timing switch for complete circuit discharge.
- Insert the new battery.

## Homologation



This equipment is not entitled to protection against harmful interference and may not cause interference in duly authorized systems. This is a product approved by Anatel, the approval number can be found on the product label, for inquiries visit the website: <https://www.gov.br/anatel/pt-br>



## Warranty term

It is expressly stated that this contractual warranty is given subject to the following conditions:

Name of customer:

Signature of the customer:

No. of the invoice:

Date of purchase:

Model:

Serial No:

Reseller:

1. All parts and components of the product are under warranty against possible manufacturing defects, which may present, for a period of one (1) year, – comprising 90 (ninety) days of legal warranty and 9 (nine) months of contractual warranty, –, counted from the date of purchase of the product by the Consumer, as stated in the invoice of purchase of the product, which is part of this Term throughout the national territory. This contractual warranty includes the express exchange of products that are defective in manufacture. In case no manufacturing defect is found, but flaw(s) from inappropriate use, the Consumer will bear these expenses.
2. Product installation must be done in accordance with the Product Manual and/or Installation Guide. If your product needs to be installed and configured by a qualified technician, look for a suitable and specialized professional, and the costs of these services are not included in the value of the product.
3. If the defect is found, the Consumer should immediately communicate with the nearest Authorized Service listed by the manufacturer, – only they are authorized to examine and remedy the defect during the warranty period provided herein. If this is not respected, this guarantee will lose its validity, as the violation of the product will be characterized.
4. In the event that the Customer request home care, he/she should refer to the nearest Authorized Service for the technical visit fee. If the need for withdrawal of the product is found, the expenses arising, such as transportation and safety to and from the product, are under the responsibility of the Consumer.
5. The warranty will totally lose its validity in the event of any of the following: a) if the defect is not of manufacture, but caused by the Consumer or by third parties alien to the manufacturer; b) if the damage to the product comes from accidents, claims, agents of nature (lightning, floods, landslides, etc.. ), humidity, mains voltage (overvoltage caused by accidents or excessive mains fluctuations), installation/use in disagreement with the user manual or due to natural wear of parts and components; c) if the product has been influenced by chemical, electromagnetic, electrical or animal (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 loss of data, so it is recommended that the Consumer make a regular backup of the data on the product.
7. Intelbras is not responsible for the installation of this product and also for any attempts of fraud and/or sabotage on its products. Keep software and application updates, if any, up to date, as well as network protections necessary to protect against hackers. The equipment is guaranteed against flaws within its normal conditions of use, and it is important to be aware that, since it is an electronic equipment, it is not free from frauds and scams that may interfere with its correct functioning.
8. This product has an internal battery. After their useful life, the batteries must be delivered to an authorized technical assistance office at Intelbras or directly to the environmentally appropriate final disposal, avoiding environmental impacts and health. If you prefer, the battery, as well as other unused Intelbras electronics, can be disposed of at any Green Eletron collection point (electronic waste manager to which we are associated). In case of doubt 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](mailto:suporte@intelbras.com.br).

Since these are the conditions of this complementary Warranty Term, Intelbras S/A reserves the right to change the general, technical and aesthetic characteristics of its products without prior notice. All images in this manual are illustrative.

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Customer Support:  (48) 2106 0006

Forum: [forum.intelbras.com.br](http://forum.intelbras.com.br)

Support via chat: [chat.intelbras.com.br](http://chat.intelbras.com.br)

Support via e-mail: [suporte@intelbras.com.br](mailto:suporte@intelbras.com.br)

Customer Service: 0800 7042767

Where to buy? Who installs it? 0800 7245115 01.23


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## Documents / Resources

 User guide IVP 8000 Pet	<a href="#">Intelbras IVP 8000 Pet Passive Infrared Sensor</a> [pdf] User Guide IVP 8000 Pet Passive Infrared Sensor, IVP 8000, Pet Passive Infrared Sensor, Passive Infrared Sensor, Infrared Sensor, Sensor
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## References

-  [CHAT Intelbras](#)
-  [Fórum Intelbras - Índice](#)
-  [Intelbras | Segurança eletrônica, Redes, Comunicação e Energia](#)
-  [GOV.BR](#)