



intelbras IVP 3011 Teto Passive Infrared Sensor User Manual

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intelbras IVP 3011 Teto Passive Infrared Sensor User Manual



IVP 3011 Teto (Ceiling)

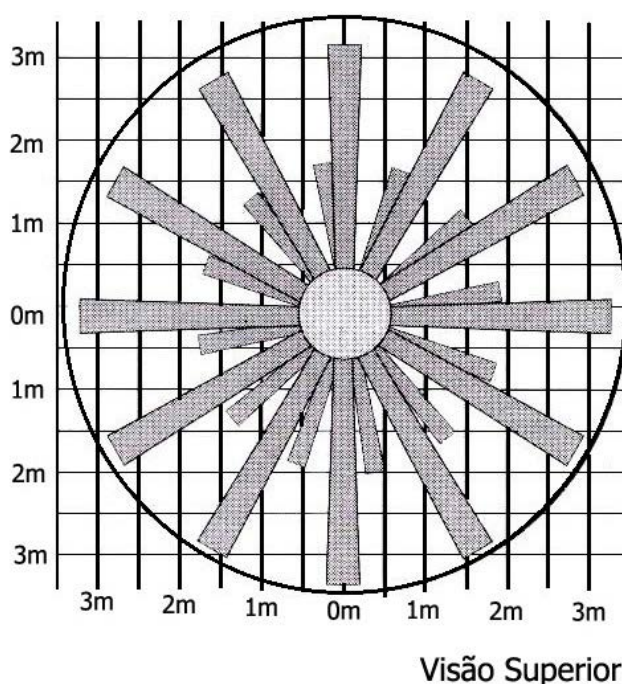
Congratulations, you just have purchased a product with Intelbras quality and safety.

IVP 3011 Teto sensor has a 360° view angle and its detection is done by passive infrared rays, reducing the risk of false shots.

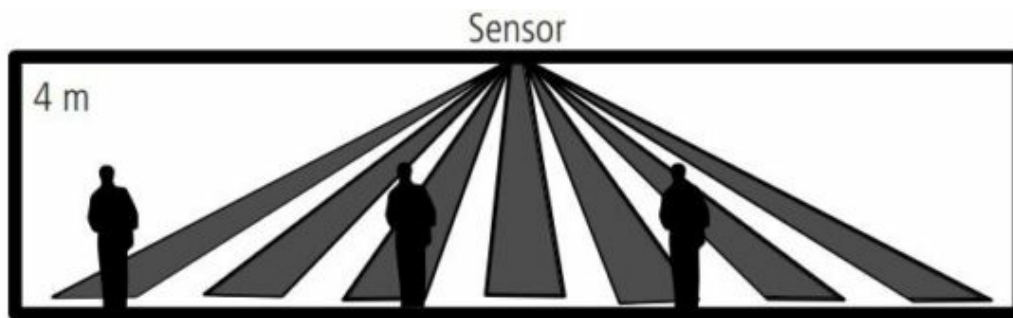
Caution and safety

- LGPD – General Law for the Protection of Personal Data: Intelbras does not access, transfer, capture, or perform any other type of treatment of personal data from this product.
- Follow all instructions of the manual for product mounting and installation.
- This movement sensor is to be used in indoor environments.
- Do not touch on surface of the infrared sensor (PIR). If necessary, use a soft cloth with alcohol to clean.
- The sensor must be installed where a possible intruder could be easily detected, that is, where a person does transversal movements in relation to the sensor detection beams when entering into the environment. The suggested installation height is 4 m.
- Do not put objects in front of the sensor that may block scanning.
- Avoid installing the sensor near to the following interference sources: reflexive surface, areas subject to sudden temperature changes (such as air conditioners and heaters, fans, refrigerators and ovens).
- Avoid installing in places where sunlight goes directly onto the sensor.
- Install the sensor in a stable and shake-free place.
- For your safety, perform test of product and systems at least once a week. It is necessary due to changes in environmental conditions, electronic failures or power outage and flaws. Take all the required precautions to keep your property safe and protected.

Top view scan



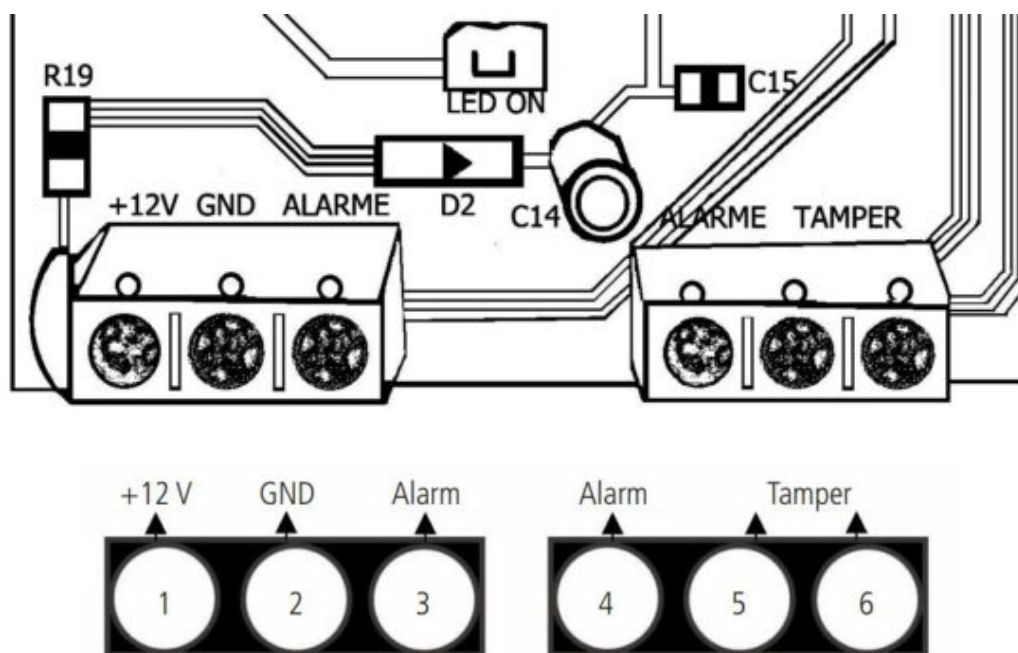
Detection range (side view)



Vista lateral

Terminal block

- Tamper: Anti-tamper key
- (-) GND: negative source
- (+) 12 V: Positive source
- Alarm: sensor output



1. Technical specifications

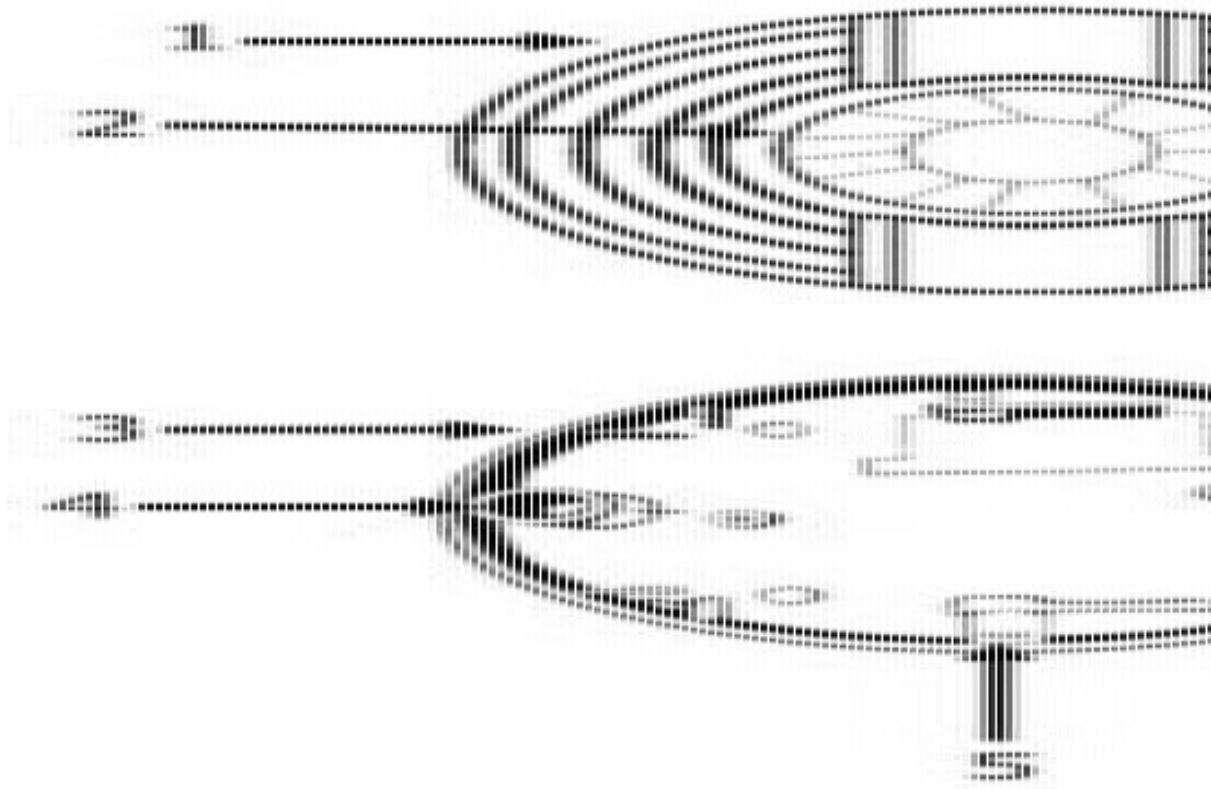
Operating voltage	12 Vdc
Operating current	≤18 mA
Operating temperature	-10°C to 60 °C
Detection method	PIR
Detection distance	Diameter 7 m
Alarm outlet	NC - NO (500 mA 100 Vdc)
Recommended installation height	4 m
Startup time	60s
Detection angle	360°
Anti-tamper key (TAMPER)	NC
Size	25 × Ø86 mm
LED	ON - OFF
Detection pulse (P. COUNT)	1P - 2P - 3P

Note: the infrared detection range can be influenced by the environment.

2. Features

- Ceiling installation.
- Digital signal processing (DSP).
- Automatic temperature compensation.
- Anti-tamper protection (tamper key).
- Adjustable infrared sensitiveness (PIR).
- Optional NC and NO relay output.

3. Product



1. Front
2. Lens
3. Base
4. Bolt fixation holes
5. Cable passage
6. Jumper P.COUNT (pulse counter)
7. Jumper Relay
8. PIR sensor
9. Jumper LED
10. LED Indicator
11. Terminal Block (connectors)
12. Tamper key (anti-violation)

4. Installation

- Execute the installation in an area free of obstacles that may hinder the visual field of the sensor.
- The PIR (P-COUNT) sensitivity adjustment must be done according to each environment.

To attach the sensor in the ceiling, follow the procedure:

1. Open the front cover pulling it upward (figures 1A and 1B);
2. Pass the cable through the cable passage orifice in the back cover (Fig. 2);
3. Pass the cable through the orifice and connect it to the terminal block (item 1.3. Terminal block);
4. Attach the sensor in the ceiling, passing the screw through the holes in the back cover (Fig. 3).

Note: drilling screw M3 × 25.

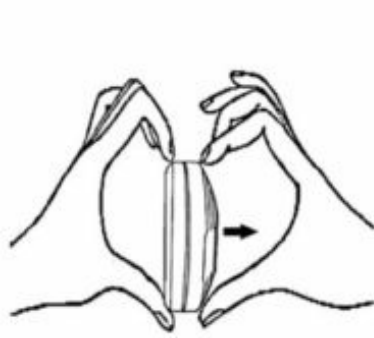


Figure - 1A

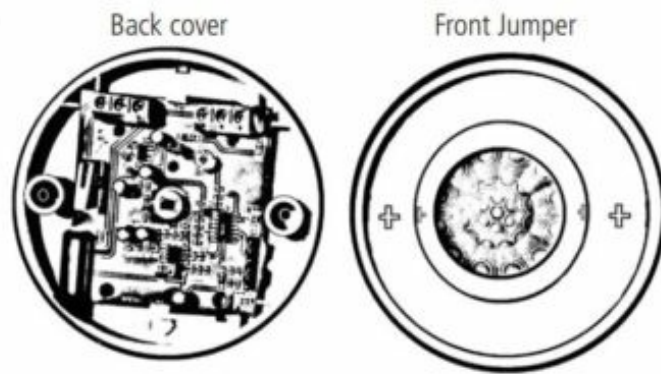


Figure - 1B

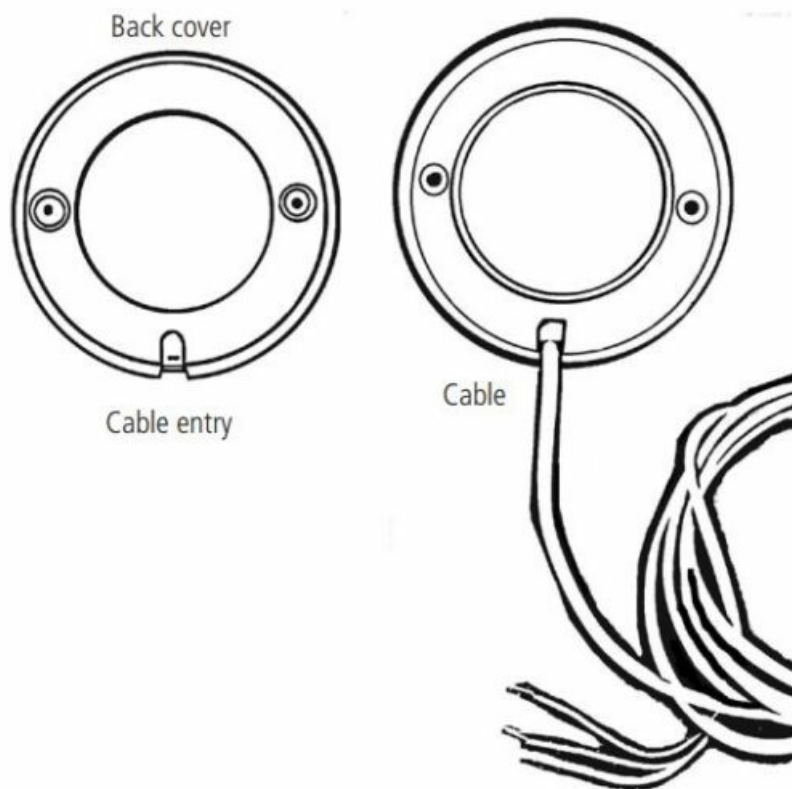


Figure 2

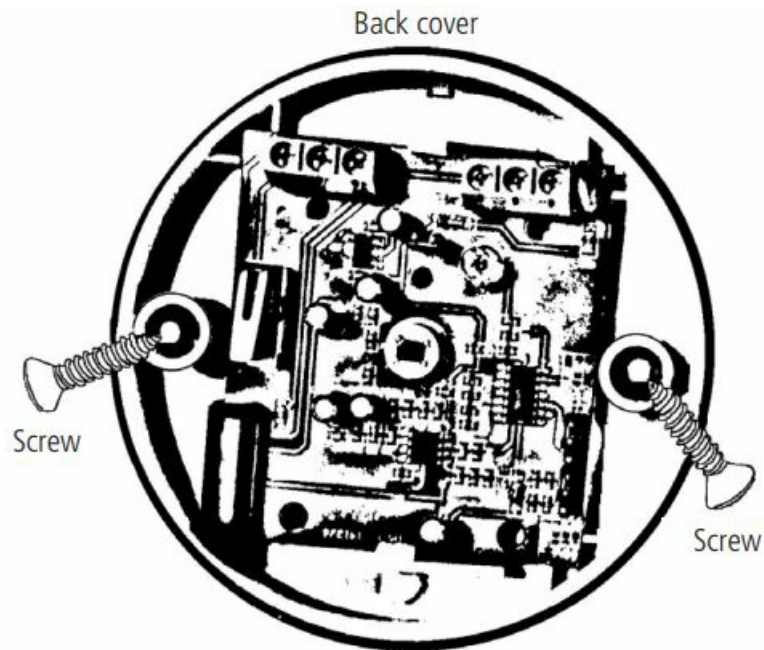


Figure 3

5. Operation

LED jumper is used for LED indication without interfering with the detector. Jumper in ON position (pin 1 & 2) light on. Jumper in OFF position (pin 2 & 3) light off. Factory standard: LED on.

The P.COUNT jumper controls the pulse count for alarm activation. With the jumper in the 1P position, the sensor provides maximum sensitivity (one pulse, pins 1 & 2) With the jumper in the 2P position, the sensor provides intermediary sensitiveness (two pulses, pins 2 & 3), and in this position, the sensor provides proper detection for environments with high incidence of EMI and RFI interferences. Factory standard: 2P.

Note: if the P.Count jumper is open, the sensor sensitivity will be 2P.

The RELAY jumper controls the relay contact status. With jumper in the NC position, the contact is normally closed. With jumper in the NO position, the contact is normally open. Factory standard: NC.

Documents / Resources

<div>English</div> <div>intelbras</div> <div>User's Manual IVP 3011 Teto (Calling)</div>	<div>intelbras IVP 3011 Teto Passive Infrared Sensor [pdf] User Manual</div> <div>IVP 3011 Teto Passive Infrared Sensor, IVP 3011 Teto, Passive Infrared Sensor, Infrared Sensor, Sensor</div>
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References

- [CHAT Intelbras](#)
- [Fórum Intelbras - Índice](#)
- [intelbras.com.br](#)
- [intelbras.com.br](#)