



User manual

XAS Light
XAS Light Black



XAS Light and XAS Light Black Sensor

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

The XAS Light / XAS Light Black wireless opening sensor was developed by Intelbras with 100% digital technology. The sensor is mounted on SMD components and can be installed on most products that work at the same frequency and modulation available on the market. Works on OOK modulation.



03212-19-00160

This equipment is not entitled to protection against harmful interference and may not cause interference to duly authorized systems. This is a product approved by Anatel, the approval number can be found on the product label, for queries, visit the website: sistemas.anatel.gov.br/sch.

Care and safety

- » Follow all instructions in the manual for assembling and installing the product.
 - » LGPD – Data processing by Intelbras: Intelbras does not access, transfer, capture or perform any type of processing of personal data from this product.
 - » Confirm that the installation location is stable and free from flickering.
 - » Wireless communication technology, when exposed to environments with high-power radiation, can suffer interference and have its performance impaired. Example: locations close to TV towers, AM / FM radio stations, amateur radio stations, etc.
 - » Avoid installing the transmitter directly under metal surfaces so that there are no changes in its operating characteristics.
 - » For your security, test the product and systems at least once a week. This is necessary due to changing environmental conditions and low battery. Take all necessary precautions for the security and protection of your property.
 - » In order to protect a door or window, it is recommended to use only one XAS Light / XAS Light Black sensor, thus making the installation more economical and free from interference during signal transmission.
 - » 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.
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Caution!

It is important to note that this product has the function of transmitting information to the alarm panel whenever an event occurs on the device (opening a door, window, etc.), therefore, its use should be recommended for environments with medium circulation of people or medium daily transmissions. If you use it in environments with high circulation and consequently a large number of transmissions, your battery may be compromised. Here is some information for proper usage guidance.

<u>Number of daily transmissions</u>	<u>Operating months</u>
20	92
50	44
100	23
200	12
300	8
400	6
500	5

Note: for the best performance of the XAS Light and XAS Light Black product, Intelbras recommends the use of good quality batteries.

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1. Technical specifications

Power	3 Vdc, lithium battery included
Operating temperature	-10 °C to + 50 °C
Detection	SMD magnetic field sensor
Trigger indication	green LED
Transmission frequency	433.92 Mhz
OOK / FSK transmission rate	2 KBps (open code)
Modulation	OOK
RF range	100 meters in barrier-free area
opening gap (± 10%)	20 mm
Closing gap (± 10%)	15 mm
Gross Weight (Kg)	0.06
Net weight (Kg)	0.04
Dimensions (W × H × D)	37 × 46 × 11 mm
Anti-jamming	Immunity against interference from malicious signals.

2. Characteristics

- » OOK modulation
- » Low battery indication.
- » Long-life lithium battery.
- » SMD magnetic field sensor
- » Transmission frequency 433.92 MHz.

3. Installation

Open the sensor by removing the back cover and insert the battery, then choose the location where the sensor will be installed. Once chosen, use double-sided tape or screws for attachment. If you are going to use the double-sided tape, stick it on the back cover of the sensor, done that, attach the two parts in the place where you want to protect, observing the correct position of the sensor (Figure 2 / Figure 3). If using screws, just open the two parts of the sensor, and the location of the screw will be indicated (Figure 1).

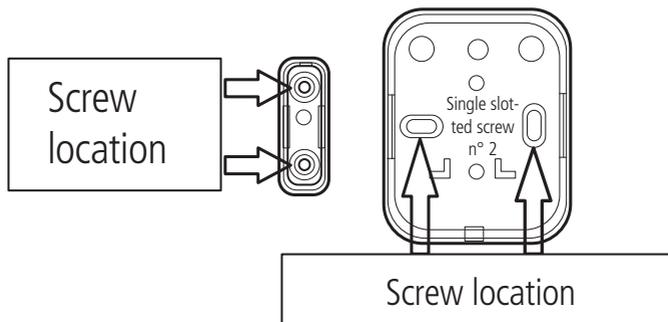


Figure 1

The sensor must be positioned according to figures 2 and 3, with the magnet aligned with the sensor body and with the shortest possible distance between them, so that the magnet is in contact with the magnetic field sensor.

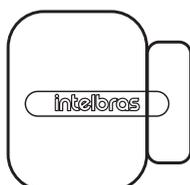


Figure 2

Note: for closing and opening the SMD magnetic field sensor, some average distances must be respected.

- » **Magnetic field sensor opening:** Move the magnet away an average distance of 20 mm ($\pm 10\%$).
- » **Magnetic field sensor closing:** bring the magnet closer to an average distance of 15 mm ($\pm 10\%$).

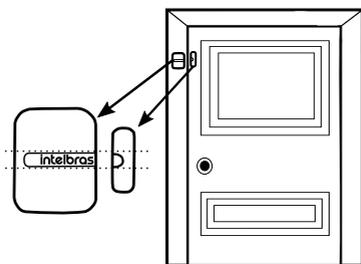


Figure 3

4. Configuration

Register the sensor code in the control panel to be used (Check the procedure in the control panel manual). In order for the sensor to transmit its code, trigger a trigger by moving the magnet away from the sensor, if the sensor is on a door for example, just open it observing if the green LED will light up. If the LED lights up, it indicates that there was a trip (transmission occurred), if not, check the battery.

Low battery sensor: The XAS Light / XAS Light Black has a battery level meter, if it is less than or equal to 2.55 V it will send the information to the control panel and its LED will flash quickly in the opening indicating low sensor battery level. If the control panel is Intelbras, the sensor low battery warning will be indicated on the product panel.

Warranty term

It is established that this warranty is granted upon the following conditions:

Client's name:

Client's signature:

Invoice number:

Date of purchase:

Model:

Serial number:

Retailer:

1. All the parts, pieces and components of the product are guaranteed against possible manufacturing defects, which may arise, for the term of 1 (one) year, with a term of 3 (three) months' legal warranty plus 9 (nine) months' contractual warranty –, counting from the date of purchase of the product by the Consumer, as appears in the product purchase bill of sale, which is an integral part of this Term throughout the domestic territory. This contractual warranty includes the free exchange of parts, pieces and components which have a manufacturing defect, including the expenses with labor used in this repair. If there is no manufacturing defect, but defect(s) arising from misuse, the Consumer shall bear these expenses.
2. The installation of the product shall be executed in accordance with the Product Manual and/or Installation Guide. If your product requires the installation and configuration by a qualified technician, seek a suitable specialized professional, the costs of these services not being included in the product amount.
3. Having perceived the defect, the Consumer shall immediately contact the nearest Authorized Service which appears in the report offered by the manufacturer – they are the only ones authorized to examine and remedy the defect during the warranty term foreseen herein. If this is not respected, this warranty shall lose its validity, as it shall be characterized as product infringement.
4. If the Consumer requests home service, it shall contact the nearest Authorized Service to inquire about the technical visit rate. If it is necessary to remove the product, the ensuing expenses, such as those of transportation and insurance of the taking and return of the product, shall be the Consumer's responsibility.
5. The warranty shall lose its validity totally in the occurrence of any of the following cases: a) if the defect is not one of manufacture, but is caused by the Consumer or by third parties foreign to the manufacturer; b) if the damage to the product arises from accidents, disasters, agents of nature (lightning, floods, landslides, etc.), humidity, voltage in the electrical network (excess voltage caused by accidents or excessive fluctuations in the network), installation/use in disagreement with the user's manual or arising from natural wear of the parts, pieces and components; c) if the product has undergone effects of a chemical, electromagnetic, electrical or animal (insects, etc.) nature; d) if the serial number of the product has been falsified or erased; e) if the appliance has been infringed.
6. This warranty does not cover loss of data; therefore, it is advisable that if it is the case of the product, the Consumer makes a backup regularly of the data which appears in the product.
7. Intelbras is not responsible for the installation of this product, or for possible attempts at fraud and/or sabotage in its products. Maintain the updates of the software and applications used up-to-date, if it is the case, as well as the network protection required for defense against hackers. The equipment is guaranteed against defects in its usual conditions of use, it being important to bear in mind that, as it is electronic equipment, it is not free of fraud and scams which may interfere with its correct functioning.
8. After its useful life, the product must be delivered to an authorized Intelbras service center or directly disposed of in an environmentally appropriate manner to avoid environmental and health impacts. If you prefer, the battery, as well as other unused Intelbras brand electronics, can be disposed of at any Green Eletron collection point (waste management facility to which we are associated). If you have any questions about the reverse logistics process, please contact us at (48) 2106-0006 or 0800 704 2767 (Monday to Friday 8am to 8pm and Saturdays 8am to 6pm) or via -mail support@intelbras.com.br.

These being the conditions of this complementary Warranty Term, Intelbras S/A reserves the right to alter the general, technical and esthetic features of its products without prior notice.

All the images of this manual are illustrative.

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talk to us

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