

Magnetic sensor

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

The XAS 8000 opening sensor is designed to protect doors and windows by monitoring their opening and closing. An easy to install product, it has a low power consumption circuit, providing longer battery life. It also has a tamper key for violation protection, making your environment even safer, a key for registration and LED indicating the status. These features put the XAS 8000 opening sensor in the spotlight compared to other wireless opening sensors on the market. Read the product introductory information carefully for the correct use of the sensor.

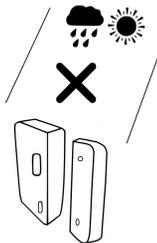
1. Care and security

It is recommended that the installation be carried out by specialized technicians certified through the Intelbras courses given by ITEC. To learn more about it, access the training portal at www.treinamentos.intelbras.com.br. In the QR code below, download the sensors booklet and check out our tips that will make your installation easier.



- » Follow all instructions in the manual for product assembly and installation.
- » Respect the distance of the GAP (distance between the sensor and the magnet).
- » Confirm that the installation site is stable and appropriate.
- » The wireless communication technology, when exposed to high power radiation environments, can suffer interference and have its performance impaired, for example: locations near TV towers, AM/FM radio station, amateur radio station, etc.

- » Do not expose the XAS 8000 magnetic sensor directly to sunlight, rain and moisture.



- » For your safety, 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 safety and protection of your property.

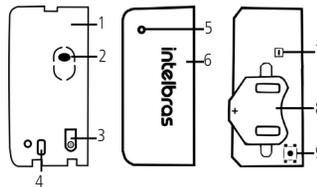
2. Technical specifications

Operating voltage	3 Vdc
Operating current	3 uA
Operating temperature	-10 to +50 °C
Frequency of transmission	915 MHz – 928 MHz
RF Range	600 meters without barrier
Power	11 dBm
Modulation	DSSS BPSK 40 Kbps
Compatibility	Alarm center
AMT 8000	Contra sinais invasivos
Anti-jamming	Against invasive signals
Protection against violation	tamper Key
Installation environment	Internal
Maximum GAP	20 mm ±15%
Sensor dimensions (W × H × D)	22,5 × 18,3 × 69,2 mm
Magnet dimensions (W × H × D)	22.5 × 18.3 × 69.2 mm

3. Features

- » Low battery indication.
- » Long battery life.
- » Easy installation.
- » Key for registration.
- » LED trigger status indicator.
- » Lamper protection key.
- » DC power supply: 1 internal 3 Vdc (CR2450) battery.
- » Frequency of transmission 915 MHz – 928 MHz.
- » Protection against malicious signals.
- » Encryption on data transmission between devices.

4. Product

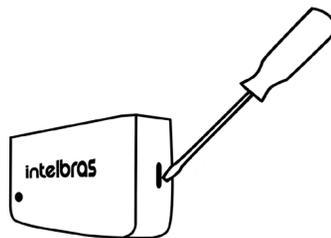


1. Product base.
2. Screw hole for fixing.
3. Button for registration.
4. Screw hole for fixing.
5. Hole for LED indication.
6. Product cover.
7. Tamper key.
8. Battery.
9. Synchronism key.

5. Installation

Open the XAS 8000 magnetic sensor as follows:

With a screwdriver, press the snap lock between the base and the cover.



After opening insert the CR2450 battery and register the XAS 8000 code in the AMT 8000 alarm center as follows:

Press the synchronization key of the AMT 8000 alarm center (the blue LED will be on) then press the synchronization key of the sensor observing if the LED located on the front of it will flash green indicating the correct register. If the LED flashes red, the registration has not been performed correctly and the procedure must be repeated.

Note: after pressing the synchronization key of the alarm center, the blue LED indicating the center unit will remain on for approximately 3 minutes after the last registration made, after this time it will turn off automatically and it will not be possible to make new registrations until the synchronization key is pressed again. If no device is registered, the LED indicating the center unit will go off automatically after 3 minutes.

The sensors will be addressed according to the sequence performed, for example: the first sensor will be registered in zone 1, the second sensor in zone 2, the third sensor in zone 3 and so on.

To register other sensors through keyboard commands and more information, please check the

complete manual of the AMT 8000 center.

If you want to delete the sensor register, just press and hold the sensor synchronism key for approximately 10 seconds, observing the indicator LED until it flashes twice in red.

6. Identifying the best place for installation

The XAS 8000 sensor has communication signal level indications with the AMT 8000 center, this will help you choose the best installation location. Follow the procedure:

1. Once properly registered, take the sensor to the environment you wish to protect;
2. Check the position where the sensor can cover the environment;
3. After selecting the location, position the sensor exactly where it will be installed and perform transmissions through an opening and a closing, if the sensor is in a door or window for example, just open it and close it.

Note: it is very important to check the status of the LED on opening and closing.

4. Observe the color that the LED will light up and check in the following table if the sensor can be installed in this location;

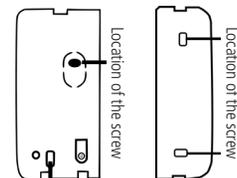
LED Status	Communication level
Green	Excellent signal level (recommended installation site)
Orange	Regular signal level (location not recommended for installation, communication failure may occur)
Red	No communication (do not install on site)

5. If the signal level is not excellent, reposition the sensor and perform the procedure again.
6. The installation of the sensor directly on metal surfaces may impair its performance.

7. Fixing the XAS 8000 sensor

Use double-sided tape or screws to fix it. If you choose the option as double-sided tape, clean the surface that will be in direct contact with the tape and then stick it on the back cover. If you use screws, simply open the sensor and the location of the screw will be indicated on the base of the product, as shown in the figure below.

The recommended screw for fixing the product is 18 × 3mm.



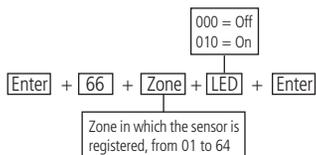
Location of the screw

Important: check that the distance of the GAP (distance between the sensor and the magnet) is within the specified range, to avoid undesired triggering if any vibration occurs in the structure in which the sensor is installed.

» **Maximum Gap:** 20 mm ± 15%.

8. Configuring the LED through the center unit keyboard

Using the keyboard of the AMT 8000 alarm center, go into the programming mode with the master password, then type the following command:



8.1. Information on LED operation

LED Off: with the LED off option marked, the XAS 8000 will only light the LED for the first 15 minutes after battery insertion. Factory default.

LED on: with the LED option on, the XAS 8000 will light the LED on every opening and closing.

8.2. Configuring the LED through the application

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

Menu

Configure Center	>
Online	>
Events	>

After that, select sensors;

Settings

General	>
Zones	>
Passwords	>
Communication	>
Event codes	>
IP monitoring	>
Ethernet/Wi-Fi	>
GPRS	>
Programed activation/deactivation	>
Sensors	>

Once you have done this, select the sensor you wish to configure, for 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.

For XAS 8000, the sensitivity and operating mode settings do not apply. LED configuration only.

Sensor 1

Sensitivity	
Level 1	<input checked="" type="radio"/>
Level 2	<input type="radio"/>
Level 3	<input type="radio"/>
Level 4	<input type="radio"/>
LED	
Always Off	<input checked="" type="radio"/>
On when triggered	<input type="radio"/>
Operation mode	
Economy mode	<input checked="" type="radio"/>
Continuous mode	<input type="radio"/>
Discard changes	Save

Does not apply

Does not apply

Note: for configuring the settings, check the sensitivity table, the explanations of LED operation and the Operation mode in item 8.1. Information on the sensor settings

9. Battery

Use only quality batteries with the correct sizing for the device, and with the typical use of the device, the battery life forecast is 3 to 5 years and can be influenced by the number of triggering, weather conditions and configuration mode.

The battery model should be CR2450, being used one (1) battery per transmitter.



This product has an internal battery/battery. After its useful life, the product must be delivered to an Intelbras authorized technical assistance or directly perform the final destination environmentally appropriate avoiding environmental and health impacts. If you prefer, the battery as well as other Intelbras brand electronics without use, can be disposed of at any collection point of Green Eletron (manager of electrical and electronic waste with 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 from 8am to 8pm and Saturdays from 8am to 6 pm) or via e-mailsuporte@intelbras.com.br.

10. Homologation



05326-18-00160

This equipment is not entitled to protection against harmful interference and may not cause interference to duly authorized systems. For more information on the approved product, visit the website: sistemas.anatel.gov.br/sch.

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:

- 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.
- 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.
- 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.

- 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.
- 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 violated.
- 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.
- 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.

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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talk to us

Customer Support: (48) 2106 0006

Forum: forum.intelbras.com.br

Support via chat: chat.intelbras.com.br

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

Customer Service: 0800 7042767

Where to buy? Who installs it? 0800 7245115

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