



User manual

TX 8000



TX 8000

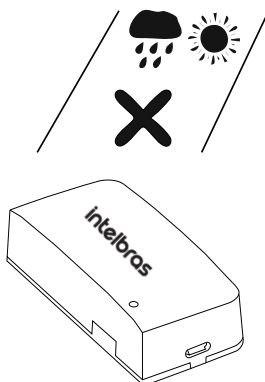
Universal transmitter

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

The TX 8000 universal transmitter was developed to facilitate the installation of wired sensors in your daily life, as it allows a wired sensor to communicate wirelessly with the AMT 8000 alarm center. , providing longer battery life. It also has a tamper key to protect against tampering, making your environment even more secure, a key for registration and a status indicator LED. Compatible with all Intelbras wired sensors and most wired sensors available on the market. Carefully read the introductory product information for the correct use of the TX 8000 Universal Transmitter.

Care and safety

- » LGPD — Data processing by Intelbras: Intelbras does not access, transfer, capture or perform any type of processing of personal data from this product.
- » This product is intended for indoor environments.
- » Avoid installing the transmitter directly under metallic surfaces so that there is no change in its operating characteristics.
- » Confirm the installation location is stable and appropriate.
- » The universal transmitter TX 8000 is exclusively for use in sensors with normally closing contact (NC).
- » Wireless communication technology, when exposed to environments with high power radiation, may suffer interference and have its performance impaired, for example: places close to TV towers, AM/FM radio station, amateur radio station, etc.
- » Do not expose the TX 8000 magnetic sensor to direct 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, electrical or electronic outages and violations. Take all necessary precautions for the safety and protection of your property.

Summary

1. Technical specifications	5
2. Features	5
3. Product	6
4. Sensor opening	6
5. Enrolling the TX 8000 Transmitter	7
5.1. Deleting sensor registration	7
6. Identified the best location for installation	7
7. Installation	8
7.1. Connection between the TX 8000 and the wired sensor	8
8. Configuring the TX 8000 transmitter	9
8.1. Configuring the TX800 through the keyboard	9
8.2. Information about LED operation	10
9. Battery	12
10. Test	12
11. Homologation	12
Warranty term	13

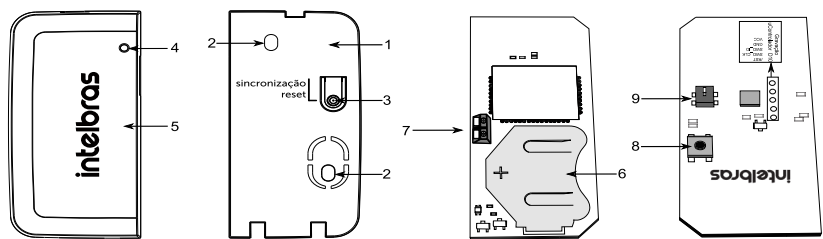
1. Technical specifications

Operating voltage	3V Lithium battery, model CR2450
Operating current	3uA
RF range	600 meters without barrier
Transmission frequency	915MHz – 928MHz
Power	11 dBm
Modulation	DSSSS BPSK 40 Kbps
Compatibility	AMT 8000 alarm panel
Anti jamming	Against invasive signs
Anti-violation	rear tamper
Installation environment	Internal
Operating Temperature	-10°C to 50°C
Transmitter Dimensions (L × H × D)	34,4 × 18,6 × 69,2 mm

2. Features

- » Anti-tampering (tamper key);
- » Low battery indication;
- » Easy installation;
- » Key for registration;
- » Drive status indication LED;
- » Protection against malicious signals;
- » Encryption in data transmission between devices;
- » Transmission frequency 915 MHz – 928 MHz.

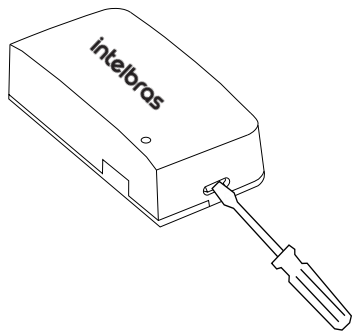
3. Product



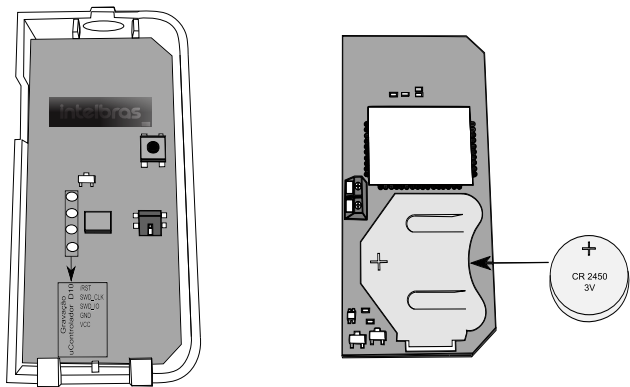
- | | |
|----------------------------|------------------------|
| 1. Transmitter base | 6. Battery contact |
| 2. Screw hole for fixing | 7. Zone input terminal |
| 3. Button for registration | 8. Sync key |
| 4. Light conductor (LED) | 9. Tamper key |
| 5. Transmitter cover | |

4. Sensor opening

To access the TX 8000 board for registration, battery replacement or to unregister it from the control unit, simply open the lock with the help of a screwdriver and remove its base. This way the board will be exposed and ready for handling.



Remove the plate, then insert the battery (model CR2450), respecting the polarity.



5. Enrolling the TX 8000 Transmitter

To register the TX 8000 transmitter code on the AMT 8000 control panel, follow one of the options below:

First registration option

Insert the LITHIUM 3 Vdc battery - CR 2450. The sensor will be flashing the red LED, register the sensor code XAS 8000 in the AMT 8000 control panel as follows:

Press the AMT 8000 control panel's synchronization key (the blue indicative LED will be lit) then press the sensor's synchronization button, observing if the LED will flash green, indicating the correct registration. If the LED flashes red, the registration was not performed and the procedure must be repeated.

Second registration option

Press the AMT 8000 control panel's synchronism key (the blue LED indicator will be on) then insert the CR 2450 battery in the sensor, observing if the LED will flash green, indicating the correct registration. If the LED flashes red, the registration was not performed and the procedure must be repeated.

Note: after pressing the control panel's synchronization button, the blue LED indicative of the control panel will remain on for approximately 3 minutes after the last registration performed, after that time it will automatically turn off and it will not be possible to perform new registrations until the sync is pressed again. If no device is registered, the control panel's LED will automatically turn off after 3 minutes.

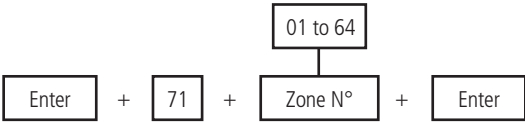
The sensors will be addressed according to the sequence performed, Example: First sensor will be registered in zone 1, the second sensor in zone 2, the third sensor in zone 3 and so on.

To perform the registration of other sensors through keyboard commands and more information, please consult the complete manual of the AMT 8000 control unit.

5.1. Deleting sensor registration

If you want to delete the sensor registration, just press and hold the sensor's synchronization key for approximately 10 seconds, watching the LED indicator until it flashes red twice.

Note: when physically erasing sensors, they must be erased from the control unit's memory via programming.



6. Identified the best location for installation

The TX 8000 transmitter has signal level indications for communication with the AMT 8000 control panel, this will help you choose the best installation location. follow the procedure:

1. After duly registered, take the sensor to the environment you want to protect;
2. Once chosen, position the sensor in the exact location where it will be installed and carry out a transmission through an opening and a closing, if the sensor is in a door or window for example, just open and close it.

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

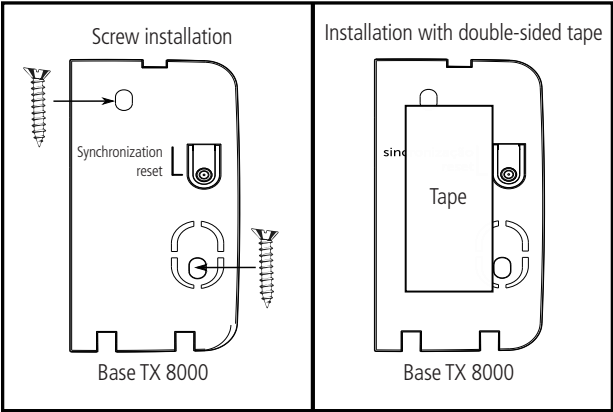
3. Observe the color that the LED will light up and check in the following table if the sensor can be installed in that location;

LED status	communication level
Green	Excellent signal level (recommended installation location)
Orange	Regular signal level Not recommended location for installation (communication failure may occur)
Red	No communication (Do not install on site)

4. If the signal level is not excellent, reposition the TX 8000 and perform the procedure again.

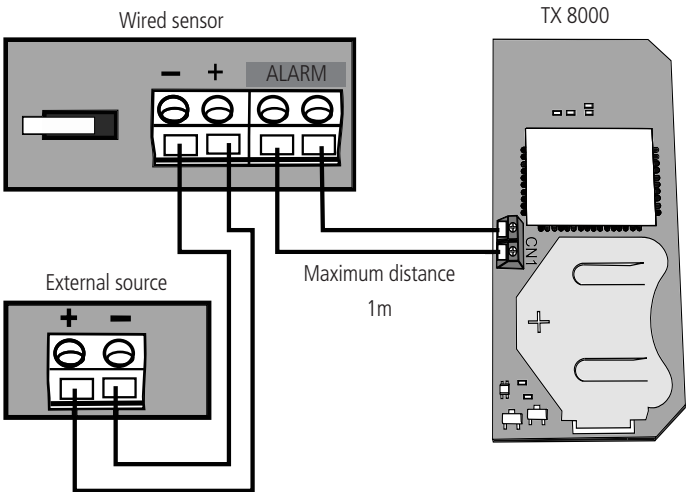
7. Installation

The TX 8000 can be secured using double-sided tape or screw. If the option with double-sided tape is chosen, clean the surface that will be in direct contact with the tape and then glue it to the base of the product. If using screws, just open the transmitter and use the holes to pass the screw located on the base of the product, as shown in the following figure. The recommended screw for fixing the product is 18×3 mm.



7.1. Connection between the TX 8000 and the wired sensor

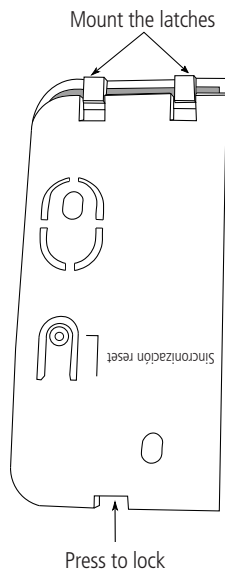
Use an external source to power the wired sensor, then connect the cable from the alarm output (normally closed (NC)) of the wired sensor to terminal CN1 of the TX 8000 universal transmitter, as shown in the following figure:



The maximum recommended wiring distance for installation between the TX 8000 and the sensor connected to it is 1 meter.

Note: the ohmic resistance of the cable is very low for this distance, and a cable of your choice can be used. Once this is done, install the TX 8000 transmitter in a location where it is fully protected from sunlight, rain and moisture.

To close the TX 8000, simply fit the latches and then press the other side for complete closure.

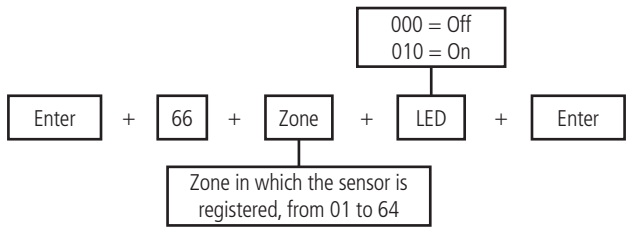


8. Configuring the TX 8000 transmitter

The adjustment of configurations of the transmitter can be done in two ways, to follow we present or step by step of each one.

8.1. Configuring the TX800 through the keyboard

Using the keyboard of the AMT 8000 alarm center, enter the programming mode as an installer, then type the following command:



8.2. Information about LED operation

- » **LED Off:** with the LED off option, the TX 8000 will only turn the LED on for the first 15 minutes after battery insertion. Factory standard.
- » **LED On:** with the LED on option, the TX 8000 will light the LED on every motion detection of the wired sensor connected to it.

Configuring the LED through the app

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

Menu	
Configure central	>
Online	>
Events	>

Then select sensors:

Configuration	
General	>
Zones	>
Passwords	>
Communication	>
Event codes	>
IP monitoring	>
Ethernet/Wi-Fi	>
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. For the XAS 8000 the sensitivity and operating mode settings do not apply. LED configuration only.

LED

Sensitivity (not applicable)	
Level 0	<input type="radio"/>
Level 1	<input type="radio"/>
Level 2	<input type="radio"/>
Level 3	<input type="radio"/>

Sensor 1

Always off	<input type="radio"/>
On when shooting	<input checked="" type="radio"/>

Operating mode (not applicable)

Economy mode	<input type="radio"/>
Continuous mode	<input type="radio"/>
Discard changes	Save

After adjusting the LED operation, press *Save*



Attention!
The sensor's operating mode will not change its operation.

Note: for the configuration of the LED adjustment, check the explanations in item 8.2. Information about LED operation.

9. Battery

Only use quality batteries, with the correct sizing for the device, and with the typical use of the same, the battery life forecast is 3 to 5 years, which can be influenced by the number of activations, weather conditions and mode of operation settings.

Battery model must be CR2450, using one (1) battery per transmitter.



This product has an internal battery. After their useful life, the batteries must be delivered to an authorized technical assistance service provided by Intelbras or directly disposed of in an environmentally appropriate manner, avoiding 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 (electronic waste manager to which we are associated). In case of doubt about the reverse logistics process, please contact us at (48) 2106-0006 or 0800 704 2767 (from Monday to Friday from 8 am to 8 pm and on Saturdays from 8 am to 6 pm) or by e-mail. -mail support@intelbras.com.br.

10. Test

Once installed and in operation, check if the control panel is receiving the triggering information from the wired sensor installed in the TX 8000, if any failure occurs, it is necessary to reposition the transmitter or the control panel, check through the LED if the signal between the transmitter and the control unit is in accordance with item 6 of this manual. Be sure to take all precautions and follow the installation recommendations to obtain the best operating performance from the product.

11. Homologation

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.

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 - this being 90 (ninety) days of legal guarantee and 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.

intelbras



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

Produced by: Intelbras S/A – Indústria de Telecomunicação Eletrônica Brasileira
Rodovia BR 459, km 124, 1325 – Distrito Industrial – Santa Rita do Sapucaí/MG – 37540-000
CNPJ 82.901.000/0016-03 – www.intelbras.com.br | www.intelbras.com

01.22
Made in Brazil