

Strips!

ENGLISH

**What is Strips?**

Strips is a ZigBee magnet sensor that can be added to any certified ZigBee system with minimal efforts.

ZigBee is an international standard for wireless communication that is also used in smart homes and buildings enabling you to monitor and control your home remotely.

Please follow our three steps in this guide to get started.

- 1. Add (figure 1–4)
- 2. Plan (figure 5)
- 3. Place (figure 6-10)

More guidance including instructional videos for the Z-Wave version:  
[www.sensative.com/Strips\\_tips](http://www.sensative.com/Strips_tips)

**Benefits**

Follow the process below to add Strips to your network.

- 1. Can notify you when you've left a window or door open.
- 2. Can monitor temperature and alert you on every 2°C change.
- 3. Can measure moisture level and notify you on a significant change.
- 4. Ultra-thin design allows Strips to be manually mounted "invisibly" between most doors/windows and their frames.
- 5. Up to 10 years of battery life means no more changing batteries.
- 6. Simple to mount with the included adhesive backing
- 7. Extra protection for tampering with the included metal foil at the back of your Strips.

Follow the process below to add Strips to your network straight out of the box.

- Start the add mode on your ZigBee controller. See your controller's manual.
- Strips comes in auto-inclusion mode. Remove the magnets and the metal foil placed at the back of the Strips. Strips will blink 3 times every 5 seconds indicating a network search.
- Your ZigBee controller should now be able to find Strips and upon a successful inclusion should be able to monitor your Strips sensor status as well as temperature and moisture.
- Move the squared magnet (A) as shown in the pictures. Check that your ZigBee system indicates the status correctly.

Follow the process below to add Strips to your network manually.

- Start the add mode on your ZigBee controller. See your controller's manual.
- Stay within the controller's range. Place the round magnet (B) at the rounded edge. When the LED blinks, move the magnet away. Repeat a total of 3 times within 10 seconds. (6 LED blinks or until the LED blinks long and start searching for network)
- Your ZigBee controller application should now be able to monitor your Strips sensor status as well as temperature and moisture.
- Move the squared magnet (A) as shown in the pictures. Check that your ZigBee system indicates the status correctly.

#### **For good communication**

Strips uses low power radio signals to communicate with your ZigBee controller. For best results, please consider the following:

- Strips is designed to fit invisibly in most wood, wood/aluminum and plastic windows and doors
- Strips should not be mounted directly on metal surfaces or within a metal structure as the range will be reduced.
- The magnet should not be placed on metal.
- Strips range is up to 30 meters. (need to verify)
- Any non-battery ZigBee device will act as a repeater to increase network reliability and range. Usage of repeaters will reduce Strips' battery life.

#### **For good functionality in the door or window**

- To place Strips invisibly, you need a gap with a minimum height of 3.5 mm. If the round magnet fits, the gap height should be enough.
- Strips may be mounted on the frame (recommended) and the magnet on the door/window, or vice versa.
- Check that magnet (A) can be placed so that it is less than 10 mm away from Strips' flat end when the window is closed. When the window is open, the magnet should be at least 30 mm away from Strips.
- Open the window/door fully to check that the placement of Strips and the magnet does not interfere with hinges or locking mechanisms.
- Place the metal foil on your door/window frame carefully and mount Strips right on top of it to be able to use the tamper detection by foil properly.

**Please follow the steps below to correctly mount Strips:**

1. Make sure the surface is clean, dry and at least + 10° C. Use the included cloth to clean and prepare the surfaces.
2. Remove the short protective film from the small Strips test adhesive. The small adhesive is used before the final placement so it is easy to move Strips if needed.
3. Place Strips where you want it mounted. Check the position by carefully closing the door/window and then opening it completely again.
4. Measure and identify where the magnet (A) should be placed. Remove the protective film and place the magnet. Close and open again to validate that your ZigBee controller detected the changes. Re-mount if needed.
5. When you are satisfied, mark the exact position for Strips. Remove it from its position, ensure that the surface is still clean,
6. Place the metal foil on the frame first and make sure it is glued properly.
7. Remove the long film protecting the adhesive backing and place Strips exactly as you marked right on top of the placed metal foil. The long adhesive is used to make the final placement of Strips.
8. Check that the door/window can be fully closed and opened and that your ZigBee controller detects the changes.
9. Keep the round magnet (B); since it can be used to wake up, remove or reset Strips in the future.

Enjoy Strips for years to come!

- A) LED light signals  
B) User commands  
C) Other

<b>A</b>	<b>1 short blink</b>	User feedback during commands during demo mode (open/close and tamper)
	<b>1 long blink</b>	Device in inclusion mode and is initiating a network search
	<b>3 short blinks</b>	Device searching for network

<b>B</b>	<b>Add</b>	Set your controller to add or remove mode (see your controller's manual). Place the round magnet (B) at the rounded edge. When the LED blinks, move the magnet away. Repeat a total of 3 times within 10 seconds (6 short LED blinks or until the LED blinks long and start searching for network)
	<b>Reset/ Remove/ Exclusion</b>	<ul style="list-style-type: none"> <li>Follow your controller's manual on how to delete devices. Once Strips is deleted from the controller, it will be reset and removed from the network.</li> <li>Place the round magnet (B) at the rounded edge. When the LED blinks, move the magnet away. Repeat a total of 10 times (20 LED blinks).</li> </ul>

<b>C</b>	<b>Association</b>	Strips supports association group 1 (lifeline). Max 1 node. Normally used to send Strips' status to the ZigBee controller.
	<b>Tamper</b>	Strips will send a tampering alert if it detects a magnet on the rounded edge side once its included in a network or if the metal foil is removed