Strips by SENSATIVE

**STRIPS MULTI-SENSOR: DRIP**
MODEL NO.: 11 02 012 /2

ZWAVE PLUS

**ENGLISH**
US/INS 11 02 012/2 R5

## YOUR NEW STRIPS (A)

Your Strips Drip is a Z-Wave multi-sensor that can be added to any certified Z-Wave system and operate with any Z-Wave device.

Strips Drip is a water leak sensor that includes temperature and light sensing options.

Strips Drip's range is up to 40 meters, but can be extended by any non-battery Z-Wave device placed between Strips Drip and the controller as it will automatically act as a repeater to increase reliability and range of your system.

Visit **www.sensative.com/drip** to find out more, including instructional videos or for any support inquires.

## GETTING STARTED (B)

### Adding Strips Drip to your Z-Wave system (Figure 1-4)

Strips Drip comes in auto-add mode. Follow the process below to add Strips Drip to your network:

**1** Set your Z-Wave controller in add mode. See your controller's manual.

**2** Keep Strips Drip near its intended location during the add process. Remove the magnet from Strips Drip.

**3** Your Z-Wave controller application should now add Strips Drip.

**4** You may verify that your controller shows Strips Drip reporting correctly by holding it firmly according to figure 4 for about 15 seconds. Strips Drip will then sense the proximity and send a leakage alarm.

## GETTING STARTED (C)

Strips Drip will now report sensor levels and alarms according to the set configuration (see Table A on the backside).

Note: **Strips auto-add mode is started when the magnet is removed for the first time out of the box. If your Strips did not get added with auto-add, use the wake up command to add.**

### Mounting Strips Drip (Figure 5-8)

**5** Remove the protective tape from Strips Drip adhesive.

**6** Mount Strips Drip on the marked "Strips side" of the mounting plate.

**7** Make sure that the surface is clean. You may then remove the protective tape from the mounting plate and place Strips Drip firmly on the surface. Note that the adhesive is permanent and may damage your surface upon removal.

**8** Place Strips Drip so that the moisture detection pads will soak any leaking water.

## USING YOUR NEW STRIPS

Do not remove Strips Drip if a leak occurs. The sensor pads will dry after the water has been removed.

Your Strips Drip is now mounted and added to your Z-Wave system. It will give you valuable sensor data that may be used for alarms or controlling other devices. Strips Drip analyzes the moisture of the pads to indicate leaks.

Please note that poor network reliability will affect Strips Drip battery life. When Strips Drip blinks 5 times, this indicates that Strips Drip failed to communicate with the controller. If it happens frequently you may move the controller closer or add an extender between the controller and Strips Drip.

Need more help? Contact Support@sensative.com

You may configure Strips to better support your needs using the configuration parameters (see Table A on the backside).

Z-Wave is an international standard for wireless communication in smart homes and buildings enabling you to monitor and control your home remotely.

Strips supports association group 1 (lifeline). Max 1 node.

Strips uses low power (< 2 dBm) radio signals to communicate with your Z-Wave controller.

The radio frequencies used are: 868.42/869.85 MHz (EU), 908.4/916.0 MHz (US/Can)

**Hint 1**

To extend the battery life of your Strips Drip you may turn off temperature/light reporting.

**Hint 2**

Make sure to save the included magnet. It can be used to wake up/add/remove Strips Drip. Note that most magnets will work as a replacement.

**Hint 3**

In certain locations, Strips Drip can be mounted using the screw holes in the mounting plate, or by simply placing Strips Drip (including the mounting plate) without mounting it in a fixed position.

## A) CONFIGURATION PARAMETERS

| No. | Description | Values | Default |
|---|---|---|---|
| 2 | LED alarm event reporting (1 byte) | 0: Off<br>1: On | 1 |
| 3 | Temperature & Light reporting frequency (1 byte) | 1: Normal<br>2: Frequent | 1 |
| 4 | Temperature reporting (1 byte)<br>(Does not affect temperature alarms) | 0: Off<br>1: On | 1 |
| 5 | Temperature reporting unit (1 byte) | 0: Celsius<br>1: Fahrenheit | 0 |
| 6 | Temperature alarms (1 byte) | 0: Off<br>1: On | 0 |
| 7 | High temperature alarm level (1 byte) | -20 to +60 (degree C) | 60 |
| 8 | Low temperature alarm level (1 byte) | -20 to +60 (degree C) | -20 |
| 9 | Ambient light reporting (1 byte) | 0: Off<br>1: On<br>2: Report only when levels defined in parameter 10 & 11 are passed. | 1 |
| 10 | High ambient light report level (4 bytes) | 3 - 64 000 | 40 000 |
| 11 | Low ambient light report level (4 bytes)<br>(Must be significantly lower than parameter 10) | 1 - 42 000 | 5 000 |
| 12 | Leakage alarm (1 byte) | 0: Off<br>1: On | 1 |
| 13 | Leakage alarm level (1 byte) | 1 to 100 (1 = almost dry, 100 = wet) | 10 |
| 14 | Moisture reporting period (1 byte) | 0-120 (Hours between reports) | 0 (Off) |
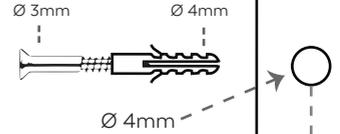
## B) LED LIGHT SIGNALS

| 1 short blink | Seen when doing user commands (Table C) or alarm event - when Strips is added in network. |
|---|---|
| 2 short | Seen when doing user commands (Table C) - when Strips is not added in a network. |
| 1 long | Indicates successful transmission of User commands (Table C) |
| 5 short | Error (E.g. communication with controller failed) |

## C) USER COMMANDS

| Wake up | Wake up Strips manually for Z-Wave communication. Move the magnet to the rounded edge, and once the LED blinks, move the magnet away (see figure below). Repeat two more times within 10 seconds. A successful wake-up is confirmed with one LED blink. |
|---|---|
| Add/remove | Set your controller to add/remove mode (see your controller's manual). Then follow the instruction above for the "Wake up" command. |
| Reset | You may need to reset Strips if your Z-Wave controller is missing or not responding. Follow the instructions for "Wake up" above, but on the 3rd repetition, leave the magnet as shown in the figure below (20mm from the rounded edge) for 10 seconds. |

## OTHER

| Wake up time | Strips wake up time is set to 24 hours by default, it is possible to change this value between 30 minutes and 24 hours but this will affect the battery life. |
|---|---|
| Association | Strips supports association group 1 (lifeline). Max 1 node. Normally used to send Strips' status to the Z-Wave controller. |

Ø 3mm    Ø 4mm

Ø 4mm

110 mm

In order to send commands, hold the magnet in the position you see below and move it over the user command sensor (LED will signal),then move the magnet away. Repeat this according to the user command directions (Table C) of the command you want to send.

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