

# HM-DW001 DOOR/WINDOW SENSOR

This Door/Window Sensor is designed to work with the Homemanageables Starter Kit. The Door/Window Sensor is a Z-Wave<sup>®</sup> enabled device (interoperable, two-way RF mesh networking technology) and is fully compatible with any Z-Wave enabled network. Z-Wave enabled devices displaying the Z-Wave logo can also be used with it regardless of the manufacturer, and ours can also be used in other manufacturer's Z-Wave enabled networks. Each module in a Homemanageables Network is designed to act as a repeater. Repeaters will retransmit the RF signal to ensure that the signal is received by its intended destination by routing the signal around obstacles and radio dead spots.

## Adding the Door/Window Sensor to Homemanageables Network

This procedure is intended only for adding the Door/Window Sensor to a Homemanageables Network. When using another manufacturer's software or hardware, follow their instructions. Note that on the rear casing of the Door/Window Sensor, there is a tamper switch which is used for programming (e.g., adding or removing from a network). To add the Lighting Module to your Homemanageables Network, select "Add Device" in the Homemanageables application and follow the instructions.



## Installation

The Door/Window Sensor is suitable for mounting in dry, interior locations only.

**Note:** Take care when fixing the Door/Window Sensor to a metal frame, or mounting within 3 feet of metalwork (i.e. radiators, water pipes, etc.), as this could affect the radio range of the device. If required, it may be necessary to space the magnet and sensor away from the metal surface using a plastic or wooden spacer to achieve the necessary radio range.

You can mount the Door/Window Sensor and the magnet using either the enclosed adhesive tape or screws.

1. Check that the Door/Window Sensor was properly added to the Homemanageables Network. Align the magnet with the sensor housing (ensure that the matching line on the magnet is pointing towards and aligned with the line on the sensor) while the tamper switch is not depressed. The LED should blink once. Remove the magnet, and the LED will blink again. If this didn't occur, re-try the "Add Device" process.
2. Remove the fixing screw from the bottom edge of the Door/Window Sensor. Remove the rear cover.
3. Fit the (3) 1.5V AAA batteries into the battery compartment.
4. Using the rear cover as a template, mark the positions of the holes on the fixed part of

5. the frame along the opening edge (opposite the hinges).
5. If using the screws to mount the sensor, affix the rear cover to the frame using the two wood screws (if necessary, use the supplied wall anchors). Do not over tighten the screws as this may distort or damage the casing. Attach the sensor to the rear cover, and reinsert the fixing screw.
6. If using the adhesive tape, apply the tape to the rear cover. Align the rear cover with the marks for the holes, and affix to the frame. Attach the sensor to the rear cover, and reinsert the fixing screw. Do not over tighten the fixing screw.
7. Align the magnet opposite the sensor. Ensure that the parallel gap between the magnet and sensor is less than 10mm and that the matching line on the magnet is pointing towards and aligned with the line on the sensor. Mark the positions of the holes on the door/window.
8. Affix the magnet to the moving part of the door/window opposite the sensor using the adhesive tape or fixing screws.

## Operation

1. Opening the door/window to separate the magnet from the sensor will send the status of "Open" to the Homemanageables application.
2. Closing the door/window to align the magnet with the sensor will send the status of "Closed" to the Homemanageables application.
3. **NORMAL OPERATION: AFTER THE SENSOR IS AFFIXED TO THE FRAME, THE LED WILL NOT LIGHT AS THE TAMPER SWITCH IS DEPRESSED.**

## Troubleshooting

Symptom	Possible Cause	Recommendation
Cannot "Add Device"	<ol style="list-style-type: none"> <li>1. Battery is dead</li> <li>2. Batteries installed incorrectly or not seated properly</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace with new batteries (always replace all batteries at same time)</li> <li>2. Reinstall batteries</li> </ol>
Door/Window Sensor LED is not illuminating	<ol style="list-style-type: none"> <li>1. Tamper switch is depressed.</li> <li>2. Battery is dead</li> <li>3. Batteries installed incorrectly or not seated properly</li> </ol>	<ol style="list-style-type: none"> <li>1. Release tamper switch</li> <li>2. Replace with new batteries (always replace all batteries at same time)</li> <li>3. Reinstall batteries</li> </ol>
The Door/Window Sensor LED is illuminating, but the Homemanageables software cannot read from the sensor	<ol style="list-style-type: none"> <li>1. The system didn't add the module properly</li> <li>2. Frequency interference</li> <li>3. Homemanageables USB stick is not inserted properly</li> </ol>	<ol style="list-style-type: none"> <li>1. Try the "Add Device" process again</li> <li>2. Reinsert the USB stick</li> <li>3. Wait for a while to re-try</li> </ol>

## Specifications

### FOR INDOOR USE ONLY

Battery	1.5V AAA x 3
Range	100ft. line of sight, in unobstructed environment
Frequency Range	908.42 MHz

*\*Specifications are subject to change without notice*

A501110873R01

MADE IN CHINA

### Federal Communications Commission Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### Limited Warranty

If within one (1) year from the date of purchase, this product fails due to a defect in material or workmanship under normal use, Homemanageables, Inc. will replace it free of charge. Homemanageables, Inc. does not issue any refunds. This warranty is extended to the original end user purchaser only and is not transferable. This warranty does not apply to: (1) damage to units caused by accident, dropping or abuse in handling, acts of God, or any negligent use; (2) units which have been subject to unauthorized repair, opened, taken apart, or otherwise modified; (3) units not used in accordance with instructions; (4) damages

exceeding the cost of the product; (5) sealed lamps and/or lamp bulbs, LED's, and batteries; (6) the finish on any portion of the product, such as surface and/or weathering, as this is considered normal wear and tear; or (7) transit damage, initial installation costs, removal costs, or reinstallation costs.

Because it is impossible for Homemanageables, Inc. to know the purposes for which you acquired this product or the uses to which you will put this product, you assume full responsibility for the selection of the product for its installation and use. While every reasonable effort has been made to ensure that you will receive a product that you can use and enjoy, Homemanageables, Inc. does not warrant that the functions of the product will meet your requirements or that the operation of the product will be uninterrupted or error-free. HOMEMANAGEABLES IS NOT RESPONSIBLE FOR PROBLEMS OR DAMAGE CAUSED BY THE INTERACTION OF THE PRODUCT WITH ANY OTHER SOFTWARE OR HARDWARE.

**IN NO EVENT SHALL HOMEMANAGEABLES, INC. BE LIABLE TO YOU OR ANY OTHER PARTY FOR ANY DIRECT, INDIRECT, GENERAL, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR OTHER DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR INJURY, LOSS OF PROPERTY, BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF INFORMATION OR ANY OTHER PECUNIARY LOSS), OR FROM ANY BREACH OF WARRANTY. EVEN IF HOMEMANAGEABLES, INC. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, IN NO CASE SHALL HOMEMANAGEABLES, INC.'S LIABILITY EXCEED THE AMOUNT YOU PAID FOR THE PRODUCT. ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY MODIFIED TO EXIST ONLY AS CONTAINED IN THE LIMITED WARRANTY, AND SHALL BE OF THE SAME DURATION AS THE WARRANTY PERIOD STATED ABOVE.**

For warranty service, call Homemanageables, Inc. customer service toll-free at 1-800-724-0108 to obtain a Return Authorization number. YOU WILL NEED YOUR PROOF OF PURCHASE. HOMEMANAGEABLES, INC. WILL NOT PROCESS RETURNS WITHOUT PROOF OF PURCHASE AND A RETURN AUTHORIZATION NUMBER. Mail the product, postage prepaid, to the address provided by the Customer Service representative. Mark the Return Authorization number clearly on the outside of the package, and include a copy of your proof of purchase.

For information on additional Homemanageables accessories, visit us at [www.homemanageables.com](http://www.homemanageables.com).

Homemanageables and Your Life, Only Easier are trademarks or registered trademarks of Homemanageables, Inc. in the United States and/or other countries. Other brands and products are trademarks or registered trademarks of their respective holders.

© 2008 Homemanageables, Inc. All rights reserved.