![HomeSeer logo]
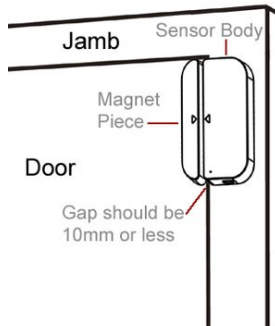

HS-DS100+ Z-Wave Door / Window Sensor

OVERVIEW

HS-DS100+ is a battery operated sensor that is designed to issue Z-Wave commands when doors or windows are opened or closed. HS-DS100+ may be associated directly with other Z-Wave devices or it may be used with a wide variety of Z-Wave hubs and controllers to trigger events, scenes and other automations.
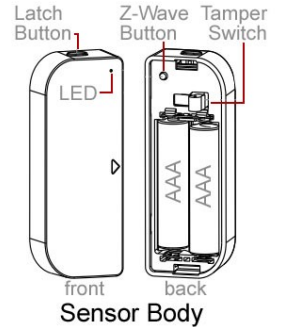
Operation

HS-DS100+ is comprised of a sensor body and a magnet piece. The sensor body is (typically) installed on a door or window jamb. The magnet piece is (typically) installed on the door or window. When the door or window are closed, the magnet trips a switch inside the sensor body and a Z-Wave command is issued. When the door or window are opened, the switch is tripped again and another Z-Wave command is issued.

Physical Installation

The sensor body and magnet piece must be mounted to the door or window (vertically or horizontally) using the provided screws or double-stick tape (your choice). Leave a gap (no wider than 10mm) to allow the door or window to open and close easily without obstruction. If using screws, you'll have to the mount the backing plates of the sensor body and magnet pieces first. To do this, press the latch button on the sensor body and gently pry off the backing plate (plate can be difficult to remove). Then, use a small slotted screwdriver to remove the backing plate from the magnet piece.

Z-Wave Network Installation

Door/Window Sensor can be included and operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers and/or other applications. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

Inclusion (Use this procedure to add the HS-DS100+ to your Z-Wave network).
1. Ensure AAA batteries are installed. Remove any plastic from battery compartment (if necessary)
2. Put your home automation controller into 'inclusion' mode. Consult your system's manual for details.
3. HS-DS100+ may be included "securely" (option a) or "non-securely" (option b). If your automation controller does not support secure devices, or if you wish to improve battery life, add the sensor "non-securely". Otherwise, include the sensor "securely"
   a) **Secure inclusion**: Press and hold the Z-Wave button inside the sensor body for 3 seconds. Wait for the process to finish.
   b) **Non-Secure inclusion:** Triple-click the Z-Wave button inside the sensor body. Wait for the process to finish.
4. If successful, the sensor body LED will blink briefly and then stay on for 3 seconds. If unsuccessful, the LED with blink briefly and then turn off. Should this happen, repeat the inclusion process.

Note: If you want this Door/window sensor to function as a security device using secure/encrypted Z-Wave communications, then a security enabled Z-Wave controller is required.

Exclusion (Use this procedure to remove the HS-DS100+ from your Z-Wave network).
1. Put your home automation controller into 'exclusion' mode. Consult your system's manual for details.
2. Triple-click the Z-Wave button inside the sensor body. If successful, the LED will turn off within 1 second. If unsuccessful, the LED with blink for 5 seconds. Should this happen, repeat the exclusion process.

Reset (Use this procedure to reset the HS-DS100+ to factory default settings when the network primary controller is missing or otherwise inoperable).
1. Press and hold the Z-Wave button inside the sensor body for 20 seconds. If successful, the LED will change from solid, to blinking, to solid again.

Z-Wave Association Information

HS-DS100+ supports Group 1 and Group 2 associations. Group 1 reports the sensor's condition, battery level and tamper state. Group 2 sends the BASIC SET command.

Wake Up Settings

HS-DS100+ can be programmed to wake up and send its status on a specific regular interval.

Wake up interval:

Available settings: 0-2678400 (seconds)

Default setting: 0 - A setting of "0" disables the regular reporting feature and requires the sensor to be manually woken up to send updates.

Default setting when added to HomeSeer systems: 43200 (12 hours)

ADVANCED CONFIGURATION	
Parameter	**Settings**
14	**Enable / Disable BASIC SET command** 0-Disable, 1-Enable 0-Default 1 byte—Parameter size
15	**Value of BASIC SET** 0-Sends 255 value for open and 0 value for closed 1-Sends 0 value for open and 255 value for closed 0-Default 1 byte—Parameter size
32	**Defines value of LOW BATTERY** 10-50 (10%-50%) 20-Default 1 byte—Parameter size

SPECIFICATIONS			
Operating Temp Range	0ºC to 40ºC	**Power Supply**	Requires (2) AAA 1.5V Batteries
Z-Wave Frequency | Range	908 MHz (US) | Up To 300 Ft line of sight	**Dimensions**	Sensor Body: 3 x 1.1 x .75 inches

LIMITED WARRANTY

HomeSeer Technologies, LLC will repair or replace, at its option, any part of the device, which proves to be defective in workmanship or material under normal use, in the USA except in the states of Alaska or Hawaii, for a period of one year from the date the device is purchased. During the warranty period, HomeSeer Technologies, LLC will repair and provide all parts necessary to correct such defects, free of charge, provided the device has been operated in accordance with the manufacturer's guidelines. The Customer will return the device to HomeSeer Technologies, LLC for testing and repair or replacement. Should you need service, during warranty period or beyond, contact HomeSeer to obtain return authorization before shipping your device to HomeSeer Technologies, LLC.