

#KD-DS-3700

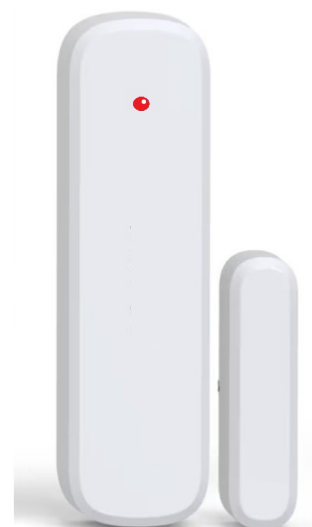
Wireless Door Sensor

for Kadtronix HSRS & GPRS systems

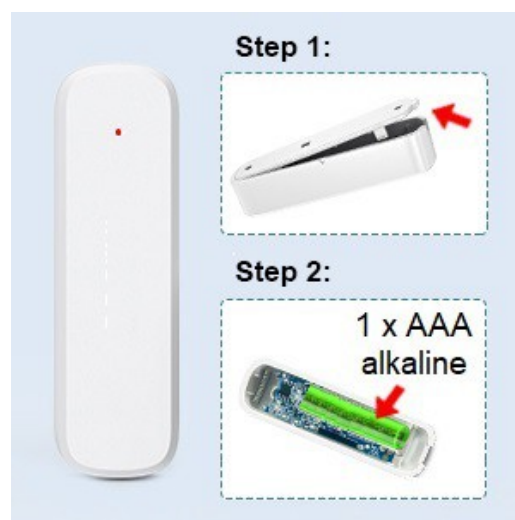
Compact and inconspicuous, the KD-DS-3700 wireless door/window sensor is simple to install and easily blends with most decors. The device is compatible for use with the following Kadtronix systems (4th generation):

- HVAC Smart Relay Switch (HSRS)
- General Purpose Relay Switch (GPRS)

Note: For use with compatible Kadtronix wireless systems featuring 4th generation controllers, 433 MHz.



The KD-DS-3700 is suitable for use with a variety of door and window types. Powered by a single AAA battery, the device provides consistent and reliable sensing with wireless RF signaling. It is a two-part design solution that consists of electronic sensor/transmitter unit and magnet. The device emits RF message signals when the corresponding door or window is opened or closed. (It also sends periodic heartbeat status updates every hour.)



Notes:

- Uses a single AAA battery.
- The device is easily registered (enrolled) at a Kadtronix GPRS or HSRS controller.
- Unique, factory-assigned address (serial number) - requires no initialization sequence. (More than 1 million possible addresses.)

Features:

- Compact & unobtrusive, blends easily with most decors
- Easy-open case – use a flat-blade screwdriver to pry apart the back cover
- Max range: ~500 ft. (open air)
- LED activity indicator
- Requires no initialization sequence
- Unique factory-assigned 20-bit address (serial no.)
- Long-life operation via alkaline battery (1 x AAA)
- Compact size (see specifications)
- Includes screws and double-sided foam mounting tape

LED Indicator:

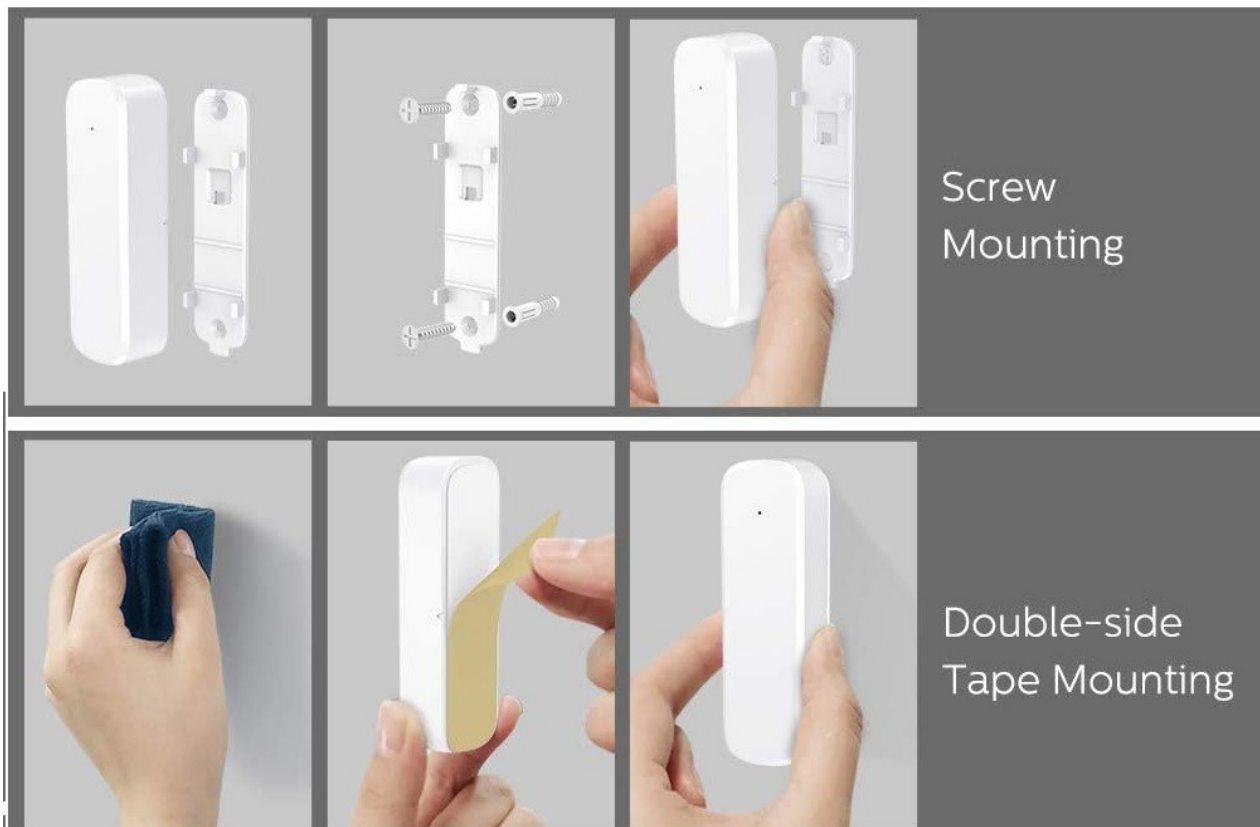
The sensor features a built-in activity indicator. Possible event actions are defined below:

Event	LED activity
Door Closed	Identified by a sequence of rapid LED flashes. Occurs when the magnet is detected in close proximity to the sensor / transmitter unit.
Door Open	Identified by a sequence of rapid LED flashes. Occurs when the magnet is separated from the sensor / transmitter unit.
Supervised Heartbeat	Occurring hourly, the unit transmits an unsolicited RF "heartbeat" message sequence, identified by an abbreviated series of rapid LED flashes.
Low Battery	Identified by a single LED flash, triggered by door open or closed. Note: Following a door open/closed event (described prior), the unit subsequently transmits a "low battery" message sequence, coupled with a single LED flash.

Mounting:

- Choose preferred install method: screws or double-sided foam tape (both included). For best results, attach sensor unit to the stationary part of the opening (typically the door-frame or window-frame). Affix magnet to the moving part (i.e., door or window).
- For screw mounting, begin by detaching the back cover. (Use a flat-blade screwdriver to carefully pry apart.) Then apply the detached cover to desired location as shown in the image below.
- For tape mounting, begin by thoroughly cleaning the destination surface using alcohol or similar to ensure a secure, permanent attachment.
- Avoid exposure to moisture, hazards, or extreme temperatures.
- Avoid mounting near electrical wiring or wi-fi equipment, as these may impede RF signals.
- Verify the red LED illuminates when the door is opened, and also when closed.

Note: The sensor transmits a robust RF signal that penetrates typical building construction materials and accommodates mounting to most any door type including wood, steel and aluminum.

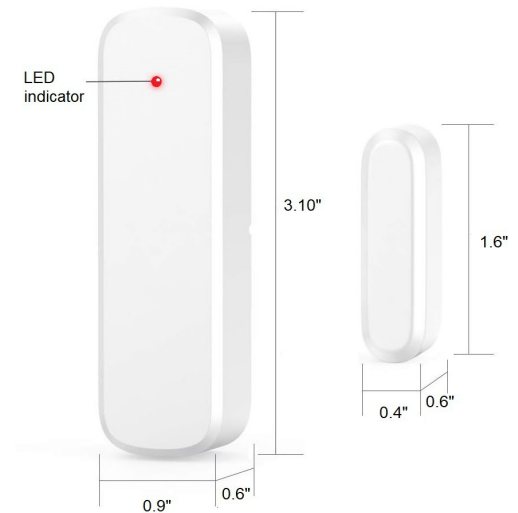


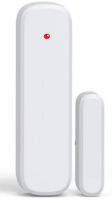
Battery replacement:

- Using a flat-blade screwdriver, carefully pry apart the back cover
- Install a fresh cell (1 x AAA), noting proper polarity
- Replace the cover

Specifications:

- Part no. KD-DS-3700
- Sensor dimensions: 3.10"L x 0.90"W x 0.60"D
- Magnet dimensions: 1.60"L x 0.40"W x 0.60"D
- Magnet gap distance: 1" (max)
- Battery: 1.5V alkaline (1 x AAA), 2 to 3 year life
- Working temp: -4°F (-20°C) to 122°F (50°C)
- Humidity: 85% max
- RF transmit range: ~500 ft (open air)
- Transmitting frequency: 433 MHz
- Agency Listings: FCC



Style	Part No.	Application(s)	Description
	#KD-DS-3700	Doors, windows	• Long range • Classic style • Supervised "heartbeat" messages • 1 x AAA battery • Measures: 3.1" h x 0.9" w x 0.6" d
	#KD-DS-1500	Doors, windows	• Contemporary design • 1 x AAA battery • Measures: 2.75" h x 1.0" w x 0.6" d

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