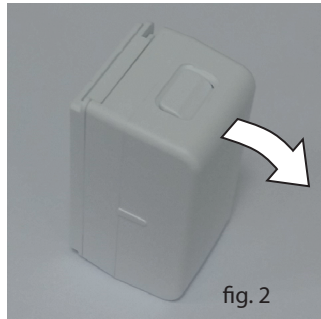
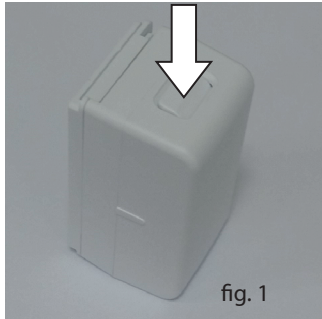


The Lite-On Door Sensor (CHS-888) can be easily installed on a door, window cabinet, garage door or anywhere that can be opened.

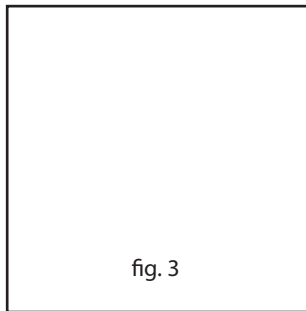
Before Installation

Activate Battery

1. Press the release catch on top (fig.1).



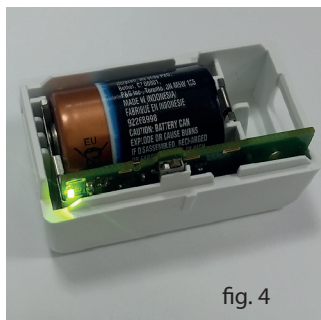
2. Remove the top case (fig.2).



3. Pull the plastic tab off to activate the sensor (fig. 3). The door sensor will start to scan for the network and flash LED 3 times.

Pair & Register

1. Follow the instructions on your Touchstone Hub or Touchscreen, to add new Door Sensor (CHS-888).
2. During the pairing mode, the status LED will flash until the sensor is connected. (fig. 4)



Notes: A scan is performed every 5 seconds.

The LED flashes 3 times when each scan is initiated.

The sensor sleeps between scans to conserve battery.

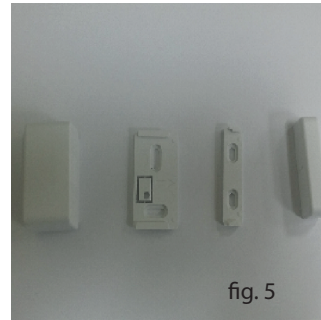
If after 20 scans a network is not found, the sensor enters into sleep mode.

The sensor resumes scanning the next time a zone status change occurs (e.g. fault, restore, tamper, tamper restore, test button pressed, etc.) This allows user interaction to cause the sensor to resume scanning.

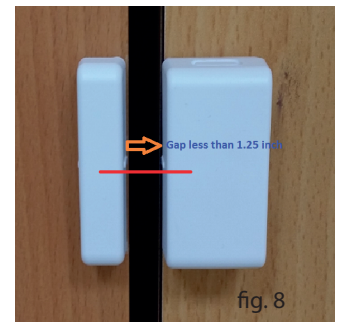
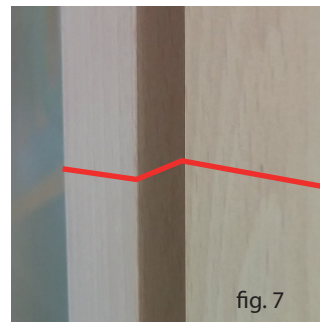
If you still have problems to pair the sensor, you may follow the factory reset procedure to reset to factory defaults.

Installation

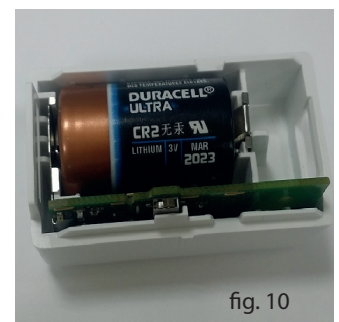
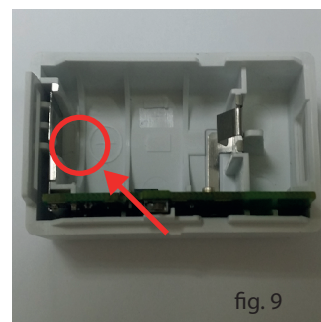
1. There are four key parts inside the pack. Starting from left to right: Door Sensor, Door Sensor Mounting Bracket, Magnet Mounting Bracket and Magnet. (Photo 3)



2. Depending on the installation location, you may decide to use double-sided tape or self-tapping screws to install the door sensor. The tamper hole on the rear case (red circle in fig. 6) must be screwed in for tamper protection.
3. Test the door sensor before installation
4. If the installation locations are not level (fig. 6), you can add a bracket to the door sensor or the magnet to rectify this.



5. The sensor has an alignment mark on one side of the case indicating where the magnetic switch is located. The magnet should be mounted adjacent to the magnetic switch (fig. 8)
6. The distance between the magnetic switch and the magnet should be less than 1.25" (fig. 8).
7. The movement of the magnet away from the magnetic switch causes the zone to fault or sets off the alarm.

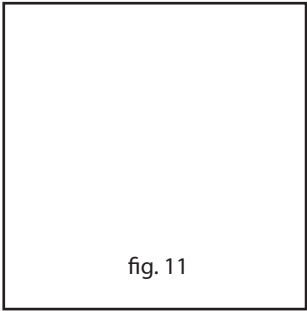


Battery replacement

1. Press the release catch on top (fig. 1)
2. Remove the case cover (fig. 2)
3. Remove the battery and replace with a CR2 type battery ensuring that you orient the battery so that the positive pole matches the positive mark on the case. (figs. 9 & 10)

Factory reset

- 1. Open unit and remove battery
- 2. While holding down the tamper switch (fig. 11), install battery



- 3. Wait for 4 seconds
- 4. Release tamper switch
- 5. The LED will flash for 2 seconds and wait to join the network.
- 6. If the sensor is NOT enrolled (i.e. does not have a CIEAddress and ZoneState = Enrolled)
 - a. Illuminate the LED for 2 seconds to indicate a successful boot
 - b. Remove any existing network parameters from previous network commissioning attempts
 - c. Reset to factory defaults

LED indications

LED Status	Description
Illuminated	the LED is on
Flashing	the LED should turn on for 300 mS and then turn off for 300 m
Off	the LED is turned off

FCC Statement

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.

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 or more 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.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC RF Radiation Exposure Statement:

- 1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

IC Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Industry Canada - Class B

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of Industry Canada.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques," NMB-003 édictée par l'Industrie.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

L'opération est soumise aux deux conditions suivantes: (1) cet appareil ne peut causer d'interférences, et (2) cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer fonctionnement du dispositif.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

Afin de réduire les interférences radio potentielles pour les autres utilisateurs, le type d'antenne et son gain doivent être choisie que la puissance isotrope rayonnée équivalente (PIRE) est pas plus que celle premise pour une communication réussie.

RF exposure warning: The equipment complies with RF exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Avertissement d'exposition RF: L'équipement est conforme aux limites d'exposition aux RF établies pour un incontrôlés environnement. L'antenne (s) utilisée pour ce transmetteur ne doit pas être co-localisés ou fonctionner en conjonction avec toute autre antenne ou transmetteur.

Avertissement d'exposition RF: 1. Cet émetteur ne doit pas n'être coimplante ou operation en meme temps qu'aucune autre antenne ou émetteur. 2. Cet équipement est conforme aux limites d'exposition de rayonnement de la FCC rf determinees pour un environnement non controle. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimetres entre le radiateur et votre corps. CAN ICES-3 (B)/NMB-3(B)