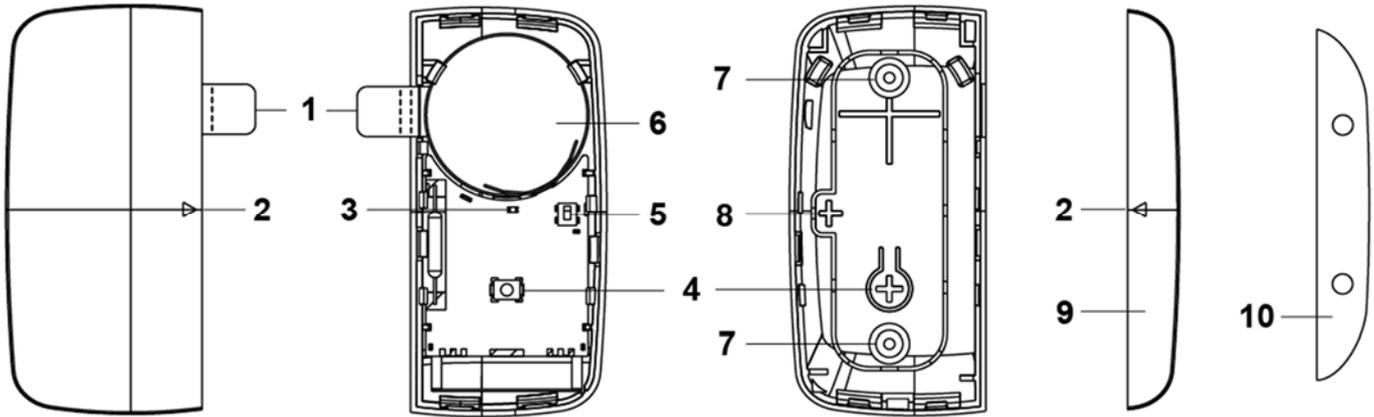


The Mini Door Contact monitors the opening/closing of specified devices (e.g. door or window). The Door Contact is fixed to the monitored device frame with an actuating magnet fixed to the device. When the door or window opens, the magnet moves away from the Door Contact, activating an internal magnetic switch causing the Door Contact to transmit alarm signal to the Control Panel. The device also has the capabilities of communicating signal problems along with low battery situations.

The Door Contact design is consisted of a front cover and a back cover. The front cover(back) contains all electronics and the back cover provides a means for fixing the device. An enclosed PCB tamper switch provides tamper protection against unauthorized device opening.

Part Identification



1. **Battery Insulator**
2. **Rib Marks**
3. **LED Indicator**
4. **Learn / Test Button**
 - Press the Test button to transmit a learn code.
 - Press the Test button once to enter Test Mode for 3 minutes.
5. **Tamper Switch**
6. **Battery**
7. **Mounting Holes (Knockouts)**
8. **Tamper Compression Mark**
9. **Magnet**
10. **Magnet Spacer**
 - A thickened, double-sided tape for elevating the magnet for better alignment of the rib marks

● **Accessories Included**

- a) 1 Magnet
- b) 1 double-sided adhesive and 1 pad for Magnet Spacer
- c) 4 Screws
- d) 4 Wall Plugs
- e) 1 double-sided adhesive Velcro tape (for Door Contact)
- f) 1 double-sided adhesive tape and 1 pad for Door Contact

Features

● **LED Indicator**

In Normal operation mode, the LED indicator remains off except in the following situations:

- When Door Contact's Tamper switch is triggered.
- When the Door Contact is activated with either Tamper or Low battery condition.
- When the Door Contact is activated and transmitting the signal under the Test mode.

● **Supervision**

- The Door Contact will automatically transmit Supervisory signals periodically to the Control Panel at random

intervals of 15 to 18 minutes in Normal Operation Mode.

- If the Control Panel has not received the signal from the Door Contact for a preset period of time, the Control Panel will indicate that particular Door Contact is experiencing an out-of-signal problem.

● **Tamper Switch**

- The tamper switch is designed to protect against unauthorized cover opening. When the tamper is triggered, Door Contact will emit a signal to the Control Panel for reporting, the LED will also light up.

● **Battery**

The MDC-3-ADC2 uses one **3V CR2450 Lithium battery** as its power source. The Door Contact is also capable of detecting low battery. When the battery is low, a low battery signal will be sent to the Control Panel along with regular transmission. The LED will light up when the Door Contact is activated under low battery status.

● **Changing Battery**

You need to open the front and back covers to insert/remove the battery

Step 1. Use a flat-headed screwdriver to fit into the slit between the covers as **FIG. 1**.

Step 2. Push the flat-headed screwdriver upwards as **FIG. 2** to separate the covers.

Step 3. Turn to the other side and repeat Steps 1 and 2.



FIG. 1



FIG. 2

Step 4. Once the covers are separated, you can proceed to change the battery.

Step 5. After the used battery is removed, press the Learn/Test button 5-6 times to fully discharge before inserting a new battery.

<NOTE>

- ☞ Make sure the battery mark with the positive side (+) faces upwards when inserting the new battery.
- ☞ Make sure to insert or place the battery from the bottom as indicated in **FIG. 3**.

Step 6. To re-place the covers:

- Make sure the Tamper Compression Mark is aimed at the Tamper Switch (**FIG. 4**).
- Align the rounded corners of the back cover with the rounded corners with the front cover and push the covers towards each other until you hear a click sound (**FIGs. 5 and 6**).



FIG. 3



FIG. 4



FIG. 5



FIG. 6

● **Test Mode**

- The Door Contact can be put into Test mode for 3 minutes by pressing the Test Button once.
- Under Test Mode, the LED will light up whenever the Door Contact is activated.
- Each additional Test Button press will reset Test Mode time to 3 minutes.

● **Getting Started**

Step 1: Remove the battery insulator of the Door Contact.

Step 2: Put the Control Panel into learning mode, refer to Control Panel manual for detail.

Step 3: Press the Learn/Test Button on Door Contact to send signals to the Control Panel.

Step 4: If the Control Panel successfully receives the signals, the Control Panel should respond (e.g., emitting beeps).

Refer to your Control Panel manual to complete the learning process.

Step 5: After the Door Contact is learnt-in, put the Control Panel into **"Walk Test"** mode, hold the Door Contact at the

desired location, and press the Test button to confirm if this location is within signal range of the Control Panel.
Step 6: When you are satisfied with the Door Contact at the chosen location, proceed to **installation**.

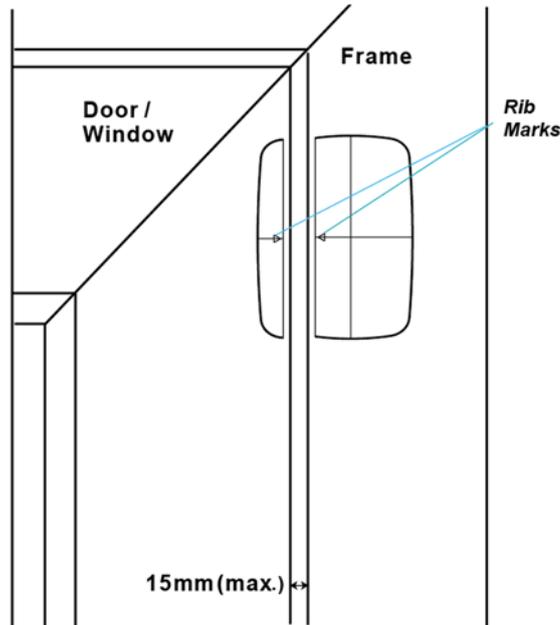
Installation

● **Mounting Methods**

- Mount the Door Contact on the fixed frame of a door/window using the **Velcro tape**, **adhesive tape**, or **Screw**.
- Mount the magnet on the mobile object (door/window) using **Screw Mounting** or **Adhesive Mounting**.
- Align the rib marks on the magnet and the Door Contact. Where required, use the magnet spacer to better align the rib marks.

< NOTE >

☞ The magnet should be no more than **15mm** from the Door Contact when the door is closed.



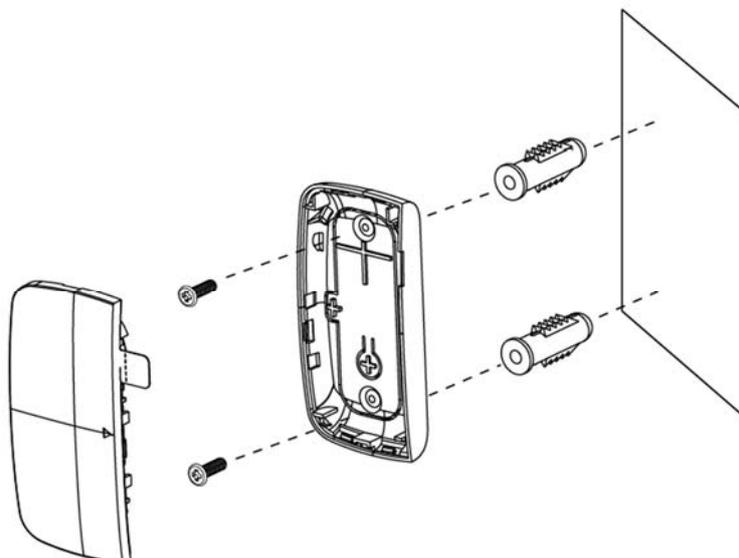
Mounting Methods for Door Contact

● **Screw Mounting**

The back cover has two Mounting Holes (knockouts), where the plastic is thinner, for mounting purpose.

To mount the Door Contact:

- I. Remove the back cover from the Door Contact.
- II. Break through the two knockouts on the back cover.
- III. Use the holes as a template and drill the holes into the door/window frame.
- IV. Insert wall plugs if the Door Contact is to be mounted on plaster or brick.
- V. Screw the back cover onto the wall plugs with a Phillips screwdriver.
- VI. Attach the front cover to the back cover.



● **Velcro tape Mounting:**

The Door Contact can be mounted using the Velcro tape provided.

- I. Clean the surface to be mounted and the back of the Door Contact with degreaser. Do not mount the Door Contact on a rough surface or a surface with cracking paint.
- II. The Velcro tape can be separated into the Hook and the Loop (FIG. 7).
- III. Remove the liner of the Hook and attach the Hook to the back of the Door Contact. Press the Hook firmly for 30 seconds to ensure good contact (FIG. 8).
- IV. Remove the liner of the Loop and apply the Loop to the desired mounting location as in FIG. 9. Press the Loop firmly for 30 seconds to ensure good contact.
- V. Apply the Door Contact to the Loop taped on the door/window frame (FIGS. 10 & 11.)

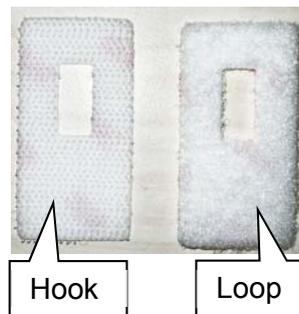


FIG. 7



FIG. 8



FIG. 9



FIG. 10

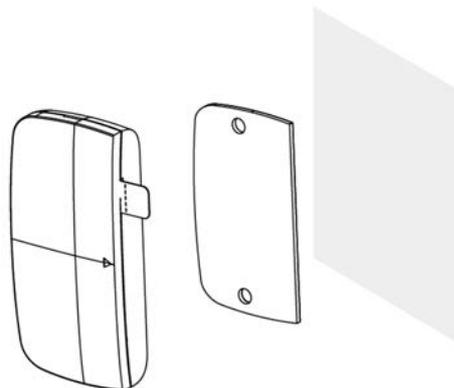


FIG. 11

● **Double-sided Adhesive Mounting:**

The Door Contact can be mounted with the double-sided adhesive tape provided.

- I. Clean the surface to be mounted and the back of the Door Contact with degreaser. Do not mount the Door Contact on a rough surface or a surface with cracking paint.
- II. Remove the liner for the object side and attach the adhesive tape to the Door Contact. Press the tape against the Door Contact firmly for 30 seconds to ensure good adhesion.
- III. Remove the liner for the wall side and attach the Door Contact to the door/window frame. Press the Door Contact against the door/window frame firmly for 30 seconds to ensure good adhesion.



Mounting Methods for Magnet

● **Screw Mounting**

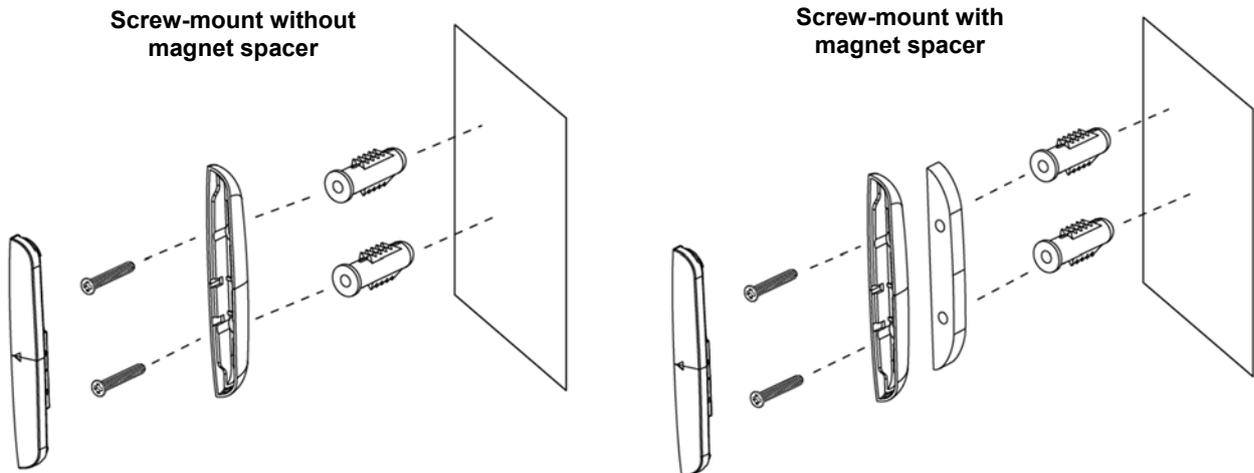
The back cover of the magnet has two Mounting Holes for mounting purpose.

To mount the Magnet:

- I. Open the back cover with a flat-headed screwdriver as the picture on the bottom left. Fit the screwdriver into the caved-in area and push upwards as the picture on the bottom right.



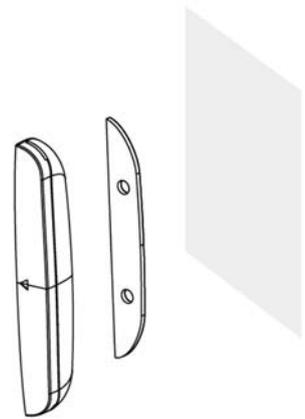
- II. Use the holes on the back cover as a template and drill two holes into the door/window.
- III. Insert the wall plugs into the holes screwed.
- IV. Screw the back cover onto the wall plugs with a Phillips screwdriver. Where required, use the magnet spacer to elevate the magnet to better align the rib marks.
- V. Attach the front cover to the back cover. You will hear a click sound when the front cover is firmly fixed onto the back cover.



● **Adhesive Mounting**

The Magnet can also be mounted with the double-sided adhesive tape pad. Where required, use the magnet spacer to elevate the magnet for better alignment of the rib marks.

- I. Clean the surface to be mounted and the back of the Magnet with a suitable degreaser.
- II. Remove the liner for the object side of the adhesive tape and attach the tape to the magnet. Firmly press the tape against the magnet to ensure good adhesion.
- III. Remove the liner for the wall side and attach the magnet to the door/window. Firmly press the magnet against the door/window for 30 seconds to ensure good adhesion.



<NOTE>



Please do not re-apply the double-sided adhesive tape or the double-sided adhesive Magnet Spacer. They cannot be reused

Federal Communication Commission Interference 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.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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.