

Outdoor Door Contact (DC-32-EX)

DC-32-EX is an outdoor door contact used to detect the opening and closure of outdoor gates, entries, exits and more. The Door Contact can also be placed on metal materials, while its powerful magnet can tolerate a wide gap to reduce false alarm.

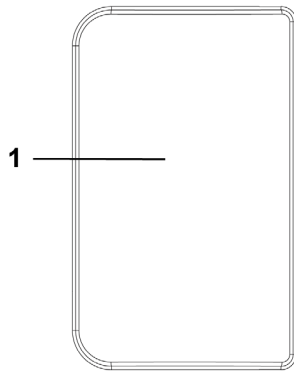
The device also has the capabilities of communicating signal problems along with low battery situations. The front and back tamper switches provide tamper protection against unauthorized device opening and removal.

The Door Contact has an extension terminal that can be connected to an existing wired device. When the connected device is triggered, the Door Contact will also be activated.

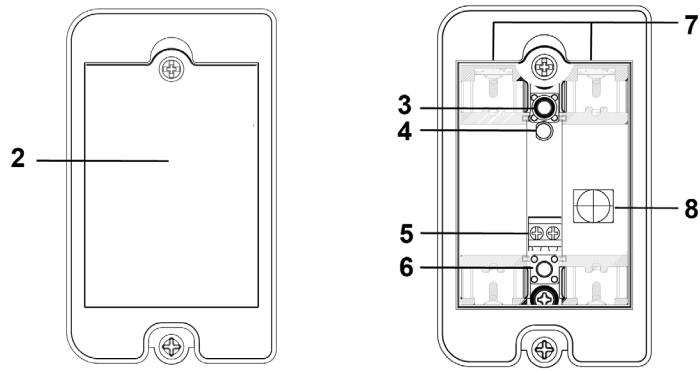
● Parts Identification

Door Contact

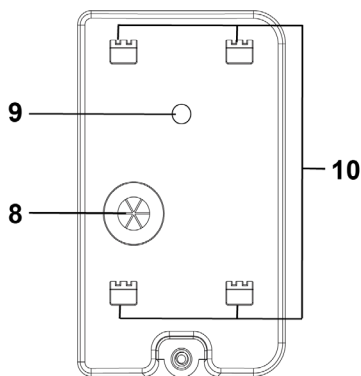
Front View



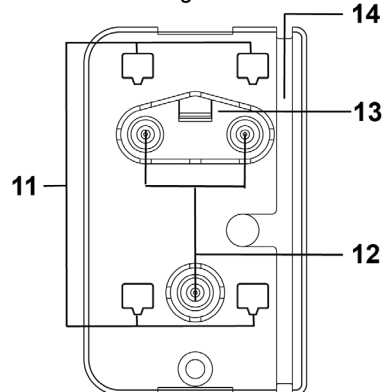
Inside view



Back View



Mounting Bracket

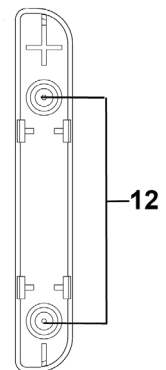


Magnet

Front View



Mounting Bracket



1. Protective Cover

2. Battery Cover

3. Front Tamer Switch

When the battery cover is removed, the front tamper switch will be activated.

4. LED indicator

5. Extension Terminal

In addition to the built-in magnet switch, an additional 2-pin dry contact terminal is provided for an extension magnet switch or any device with N.C. (Normally Closed) functionality.

6. Learn / Test button

Use a sharp tool to press the button to transmit learning code or enter test mode for 3 min.

7. Battery Compartment

The Door Contact uses two AA L91 Lithium batteries as its power source.

8. Wiring Hole

Used for extension terminal wiring.

9. Back Tamer Switch

Whenever the Door Contact is removed from mounted surface, the back tamper switch will be activated.

10. Hooks

11. Latch Holes

12. Knockouts

13. Breakaway Area

14. Wiring Slot

Used for wire routing.

● LED Indicator

- In Normal Operation Mode, the LED will not light when the Door Contact is activated.
- When the Door Contact battery voltage is low, every time the Door Contact is activated (device opened/ closed), the LED will **flash**.
- When any of the tamper switches is triggered, the LED will **flash**. When a tamper condition persists, the LED will **flash** whenever the Door Contact is activated.
- When the Door Contact is in Test mode, the LED will **flash** every time it is activated.
- When the battery is exhausted, the Door Contact will stop all function, the LED will flash every 4 seconds.

● Battery

- The Door Contact uses **two AA L91 Lithium batteries as its** power source. Please note: **ALWAYS** replace batteries with the correct size and voltage.
- The Door Contact can detect low battery condition. When the battery voltage is low, a low battery signal will be sent to the Control Panel to notify the condition. The LED will light up when the Door Contact is activated under low battery status. When the battery is exhausted, the Door Contact will stop all function, the LED will flash every 4 seconds.
- When changing batteries, after removing the old batteries, press the Tamper Switch twice to fully discharge before inserting new batteries.

● Tamper Protection

- The Door Contact is protected against any attempt to open the battery cover or to detach the device from its mounting surface.
- If the Door Contact detects a tamper condition of battery cover opening or device removal, a tamper signal will be sent to the Control Panel to remind the user of the condition.

● Supervisory Signal

- The Door Contact will automatically transmit Supervisory Signals periodically to the Control Panel at random intervals of 30-50 minutes.
- If the Control Panel has not received the signal from the Door Contact for a preset period time, the Control Panel will indicate the particular Door Contact is experiencing an out-of-signal problem.

● Test Mode

- Under Normal Mode, press the Test Button to transmit a test signal and learning code to the Control Panel. The Door Contact will also enter the Test Mode for 3 minutes.
- 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

- **Use a flat-head screwdriver into the slot and push upward to open the protective cover. (Figure 1)**
- **Remove the battery cover and insert batteries** to power on the device.
- Put the Control Panel into Learning Mode (please refer to panel operation manual).
- **Use a sharp tool to** press the Door Contact learn button.
- Refer to your Control Panel operation manual to complete the learn-in process.
- After the Door Contact is learned-in, place the Control Panel into **(Walk Test)** mode, hold the Door Contact in the desired location, and press the Test button to transmit test signal to Control Panel. If the Control Panel is within Door Contact signal range, the panel will display door contact information accordingly.

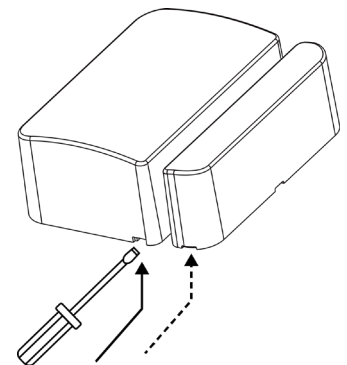


Figure 1

- Replace the battery cover and proceed with mounting and installation once you are satisfied that the Door Contact location functions properly.

● Mounting Methods and Installation

- It is recommended that the Door Contact be placed on the fixed frame of door/window, and the magnet on the movable part of door/window.
- The rib marks on the magnet and Door Contact must align. (Figure 2)
- The magnet should not be more than 3cm from the marked side of the Door Contact when the door is closed.
- The door contact has a back tamper switch on its back cover. Ensure the device is positioned within the bracket so that the tamper switch spring is pressed against the break-away area that is loosely connected to the bracket. If the door contact is forcibly removed from the wall, the break-away areas will break off from the bracket and remain attached to the mounting surface, activating the tamper switch.
- To mount the Door Contact

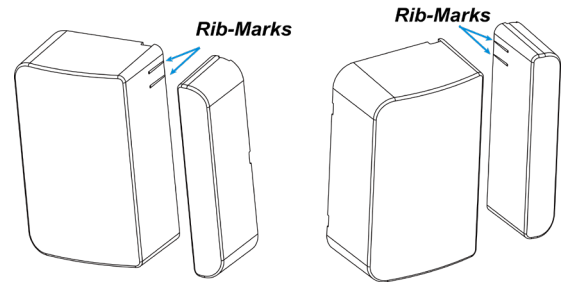


Figure 2

- 1) The provided mounting bracket has 3 knockouts, where the plastic is thinner and can be broken for mounting purpose. (Figure 3)
- 2) Use the mounting bracket as a template to drill holes on the wall for plugs. (Figure 4)
- 3) Push in the plugs and fix the mounting bracket on the wall with the screws.
- 4) Mount Door Contact with the hooks on the back cover of the Door Contact latched on the latch holes of the mounting bracket, and then push downwards to lock the hook. (Figure 5)

< NOTE >

- ☞ Make sure the back tamper switch of the Door Contact is pressed against the break-away area on the mounting bracket.

- 5) Secure the bottom fixing screw.
- 6) Replace the protective cover.
- 7) Mount the magnet bracket with two supplied screws to the door, attach the magnet to the magnet bracket.

< NOTE >

- ☞ The magnet and Door Contact rib marks must align.

- 8) Installation is now complete.

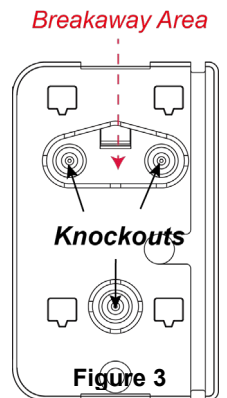


Figure 3

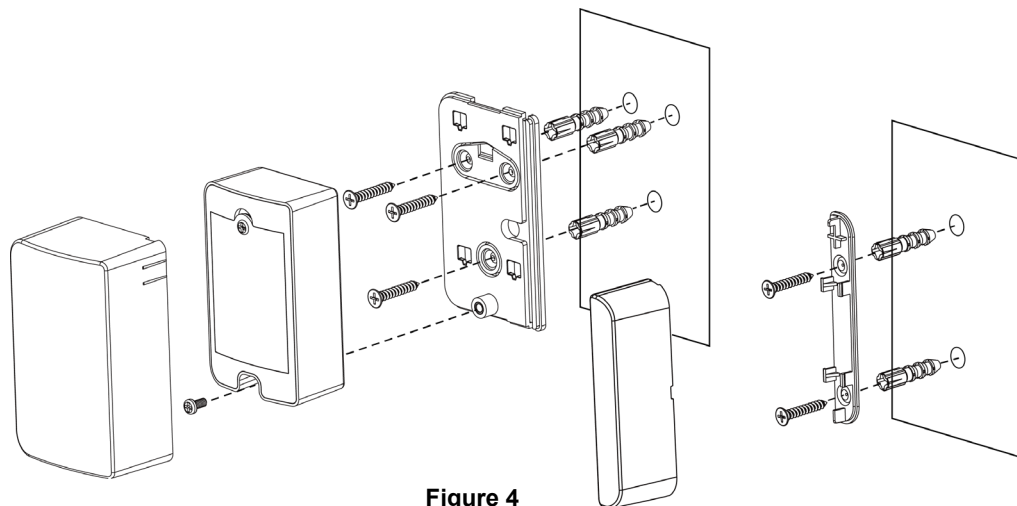


Figure 4

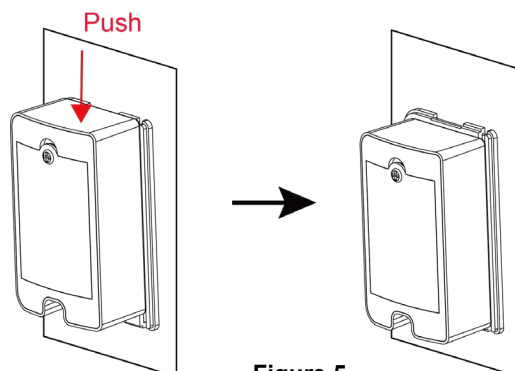


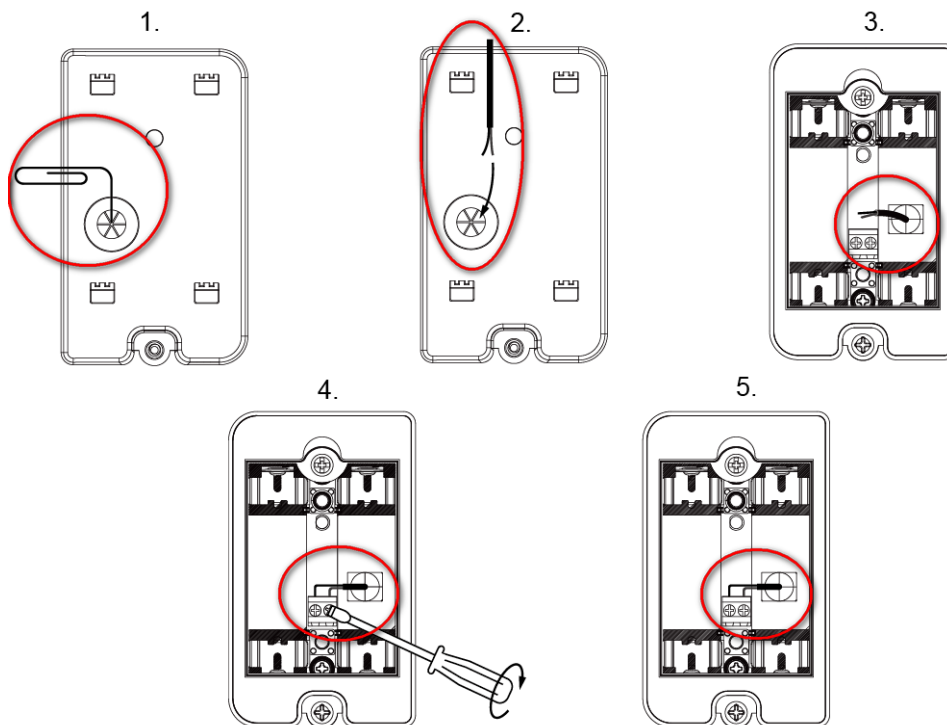
Figure 5

● Using the Extension Terminal.

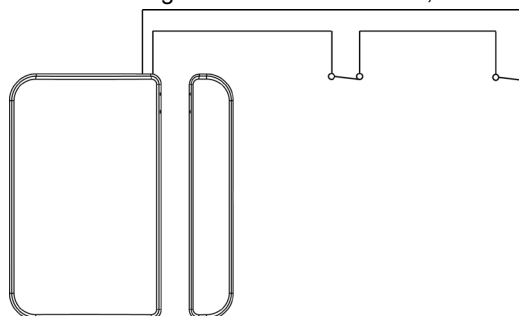
- The Door Contact has an extension terminal to provide enhanced flexibility. The extension terminal forms a closed loop with the device connected to it. When the device is triggered, the loop will be opened; the Door Contact will also be triggered.
- The extension terminal and the internal magnetic switch can function together to trigger the Door Contact when either of them is activated.
- To connect the Door Contact with another device with the extension terminal:
 1. Perforate the rubber gasket at the back of the Door Contact with a 0.8mm pin.
 2. Pass the wires through the wiring hole and out the opposite side.
 3. Connect each wire to the relevant terminal.
 4. Tighten the screw to close the terminal and hold the wire in place.

<NOTE>

☞ Use cable (AWG22-26) shorter than 3 M for this installation.



- The Extension terminal may be useful for the following situation.
 - If the Door Contact cannot be mounted on the door frame, you can connect an additional extension switch to the extension terminal to mount the Door Contact remotely.
 - Any dry contact device with N.C. (Normal Close) loop can be connected to the Extension Terminal making the Door Contact serve as an Universal Transmitter.
 - Multiple dry contact device can be wired together with Door Contact, as show in diagram below.



<NOTE>

☞ If both the Internal Magnet Switch and Extension Terminal operate together, then:

When the protected door is opened/closed or the external device is triggered, the Door Contact activates and transmits a signal immediately .

However, the Door contact will only transmit a **Door Closed** or **Restored** signal after both the door and the external device are restored for 3 sec.