Smart Technology, Made to Care

Contact

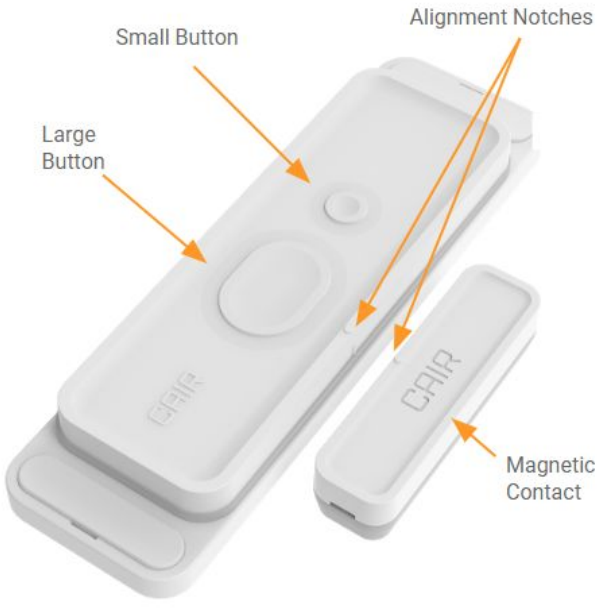
Door/Window Contact

Programming Guide V 1.5

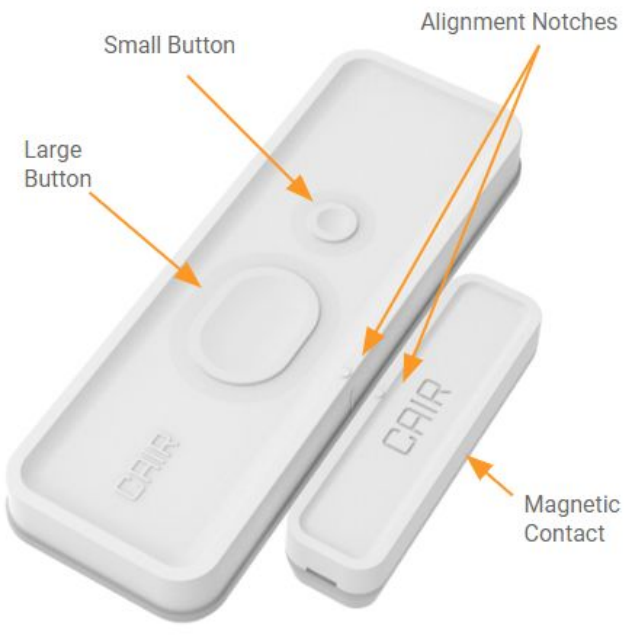
The Cair Contact is an intelligent door and window sensor.

The Cair Contact is an innovative door entry and exit solution. The sleek, wireless design comprises of a magnetic contact and detection device, has multiple operating modes that result in one device for all applications. Contact is simple to configure and easy to use.

Screw Mount Version



Adhesive Mount Version



Introduction

The Cair Contact is an innovative, versatile door and window sensor that can eradicate the need for a full property exit solution. The Contact has many different modes, which are all easily programmable using the buttons on the device. The device has the following features built-in, allowing you to provide the right personalised solution every time.

- Sends a radio message when a door opens
- Sends a radio message when a door opens and closes
- Sends a radio message when a door opens, and repeats every 45 seconds or 2 minutes until the door is closed
- Sends a radio message when a door has been left open for either 2 or 10 minutes
- Carer entry/exit option, allowing carers 15 seconds to enter or leave a property without raising a call
- On/Off button, which can be enabled or disabled as required
- Installer test feature, which indicates if the Contact and Magnet are within range of each other

Installation

The Cair Contact is waterproof and has low temperature protection, allowing it to be installed inside or outside a property. The images above show how the Contact and Magnet can be secured into place using screws (Screw Mount Version), or using adhesive pads (Adhesive Mount Version).

The Contact can be fitted to the door frame with the Magnet onto the door, or vice versa. The Contact has a built-in Reed Switch on its side, the centre of which is indicated by a notch on the device. When installing, ensure that the notches on the Contact and the Magnet are level with each other. They should also be positioned as close to each other as possible, although there is a tolerance of up to 15mm apart - the Installer Test Feature (No.7 overleaf) is a great tool for checking if the Contact can detect the Magnet.

Please read the instructions overleaf before attempting to program the Contact.

Switching On

To switch on, press and release the small button. The LED indicator will flash green between 1 to 6 times to indicate which mode number it is programmed to.

Switching Off

To switch off, press and release the small button. The LED indicator will flash red once.

Programming the Modes/Options

There are six modes (1 - 6, explained below) and two options (8 & 9, explained below). The modes can be used on their own or alongside the options to provide a personalised solution, depending on the situation. To program the modes/options, use the following method:

1. Press and hold the small button for approximately 6 seconds. Release it when the LED flashes red.
2. Shortly after releasing the button in step 1, press and release the small button to match the mode/option number you would like to enable/disable. i.e. Once for mode 1, twice for mode 2, etc. The LED will blink every time the button is pressed.
3. Press and release the large button to confirm the chosen mode/option number.
4. The LED will flash to confirm the mode/option number you have chosen.

Modes/Options

1. Door Open Mode (Default Mode). Mode 1 sends a radio message when the door opens.

2. Door Open/Closed Mode. Mode 2 sends a radio message when the door opens *and* closes.

3. Door Open and 45 seconds 'Still Open' Mode. Mode 3 sends a radio message when the door opens and sends another radio message if the door is still open after 45 seconds, repeating every 45 seconds until the door closes.

4. Door Open and 2 Minutes 'Still Open' Mode. Mode 4 sends a radio message when the door opens and sends another radio message if the door is still open after 2 minutes, repeating every 2 minutes until the door closes.

5. Door Left Open, 2 Minutes Mode. No event happens when the door opens but a radio message is sent if the door is left open for 2 minutes, repeating every 2 minutes until the door closes. If using this mode, to speed up programming, set the Contact to mode 1 when programming, then set back to mode 5 afterwards.

6. Door Left Open, 10 Minutes Mode. No event happens when the door opens but a radio message is sent if the door is left open for 10 minutes, repeating every 10 minutes until the door closes. If using this mode, to speed up programming, set the Contact to mode 1 when programming, then set back to mode 6 afterwards.

7. Installer Test Feature. This feature is designed to help installers decide where to position the Contact and Magnet. The LED will illuminate green if the Contact detects the Magnet and red if the Magnet is too far away. This feature can be enabled by following the programming instructions above and pressing the small button 7 times. Press any button to exit the test feature, after which the Contact will switch off.

8. Carer Entry/Exit Option. This feature provides 15 seconds to allow a carer to enter and exit without raising a call. If *both* the large button is pressed *and* the door is closed within 15 seconds then no radio message will be sent. The carer can press the large button at any point during the 15 seconds - before the door is opened, while the door is open, or after the door has been closed.
To enable this option, follow the 'Programming the Modes/Options' steps above - the *green* LED will flash 8 times to confirm the carer option is switched on. To disable this option, follow the steps again - the *red* LED will flash 8 times to confirm the carer option is switched off. This option can be used with modes 1, 2, 3 or 4.

9. Enable/Disable On/Off Button. The small button can be disabled using this option, meaning that it will be unable to switch the Contact off.
To *disable* the on/off button, ensure the Contact is in the *on position first* then follow the 'Programming the Modes/Options' steps above - pressing the small button 9 times then the large button once - the *green* LED will flash 9 times to confirm the button is disabled. To *enable* the button again, press the small button 9 times then the large button once - the *red* LED will flash 9 times to confirm the button is enabled. This option can be used with modes 1, 2, 3, 4, 5 or 6.

10. Factory Reset. To reset the Contact back to factory defaults (mode 1 with no options enabled), follow the steps below:

1. Press and hold the small button for 6 seconds until the LED flashes red.
2. Press and release the small button 10 times.
3. Press and release the large button.
4. Press and release the small button while the LED is flashing green/red.
5. The LED will momentarily illuminate green then red to confirm the reset has been successful.

Assigning the Contact to a Notifier or other telecare system

1. Program the Contact to the desired mode (if using modes 5 & 6, ensure the device is first set to modes 1, 3 or 4).
2. Prepare the Notifier/other system by entering registration mode.
3. Activate the Contact by separating the device from the Magnet.
4. The Notifier/other system should acknowledge the new device.

Specifications

Operating Frequency	869 MHz / Custom
Dimensions	Contact (Adhesive mount) - L94 x W33 x D12.3mm Contact (Screw mount) - L119 x W34 x D16mm Magnet - L50 x W14.5 x D11.5mm
Battery	Replaceable CR2450 Coin Cell
Battery Life	3 years under the following conditions - 5 alarm transmissions per day
Auto Low Battery	Battery tested daily
Mounting Options	Two versions available. Screw Mount and Adhesive Mount
Wireless Range	600m line of sight
Waterproof	IP67 standard
Operating Temp.	-10°C to +55°C
Compliance	CE / RoHS 2 / RED
Warranty	24 months

Battery Replacement

Under normal usage, the battery should last around 3 years. The battery can be accessed by unscrewing the six screws on the rear of the Contact. One CR2450 Coin Cell battery should be used to ensure maximum battery life. It is important that the battery is inserted correctly. Please note the polarity markings. Once the battery has been replaced, ensure the programmed settings are still correct.

Packing for shipment

The equipment containing cells or batteries must be packed in strong rigid packaging and must be secured against movement within the outer packaging to prevent accidental activation. The sender's name and return address must be clearly visible on the outer packaging.

Safety

Do not dismantle or alter the unit. Do not open the case, unless replacing battery.

Disposal

All electronic waste should be disposed of in accordance with the latest legislation.
It must be disposed of within the electrical and electronic waste stream and not be disposed of in the normal waste stream. Recycling electrical waste products help to conserve natural resources and prevent adverse effects on the environment.
Contact your supplier should you require more information.

Declaration of Conformity:

Hereby, Cair (UK) Ltd declares that the radio equipment type, Cair Contact is in compliance with Directive 2014/53/EU

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