YOLINK

Contact Sensor

YS7707-UC

Revision Oct. 16, 2025

TABLE OF CONTENTS

Thank you for purchasing YoLink products! We appreciate you trusting YoLink for your smart home & automation needs. Your 100% satisfaction is our goal. If you experience any problems with your installation, with our products or if you have any questions that this manual does not answer, please contact us right away. See the Contact Us section for more info.

Thank you!

YoLink Customer Support

User Guide Conventions

The following icons are used in this guide to convey specific types of information:

Very important information
(can save you time!)

Good to know info but may not apply to you

B Before You Begin

Visit our Contact Sensor support page on our website, for the latest installation guides, additional resources, information and videos by visiting:

https://www.yosmart.com/support/YS7707-UC

Or by scanning the QR code:

Download the most current version of the user guide by scanning the QR code:

⚠️

Your Contact Sensor connects to the internet via a YoLink hub, and it does not connect directly to your WiFi or local network. In order for remote access to the device from the app, and for full functionality, a hub is required.

This guide assumes the YoLink app has been installed on your smartphone, and a YoLink hub is installed and online (or your location, apartment, condo, etcetera, is already served by a YoLink wireless network).
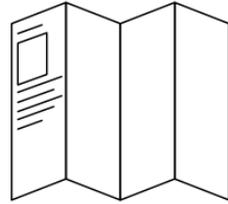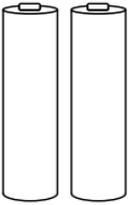
C In the Box
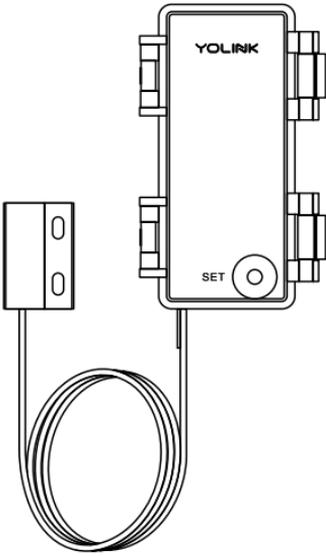
Contact Sensor

Magnet

Quick Start Guide

AAA Batteries (2) Installed

Self-tapping Screw (M3) (4)

Double-sided Tape

D Required Items

Items You May Need:
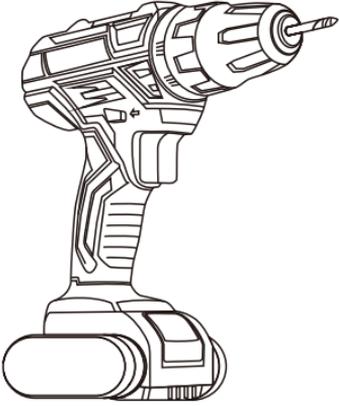
Drill & Drill Bits
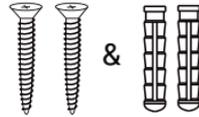
Screws & Anchors
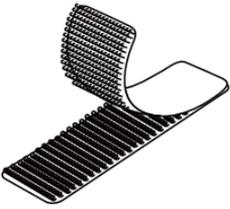
Velcro Strips
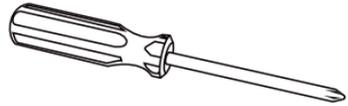
Medium Phillips Screwdriver

Contacts

Enclosure Clamp Latch
Houses two AA
non-rechargeable batteries

SET Button

Antenna

Connection Cable

Mounting Slot

Reed Switch

Magnet
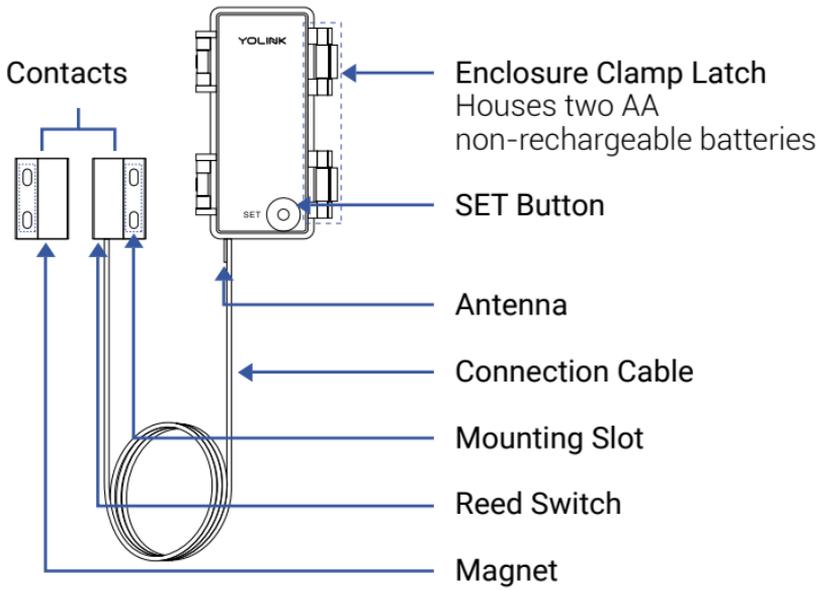
LED Behaviors

Blinking Red Once, then
Green Once
Device turned on

Blinking Red And Green
Alternately
Restoring to Factory
Defaults

Blinking Green
Connecting to Cloud

Fast Blinking Green
Control-D2D Pairing in
Progress

Slow Blinking Green
Updating

Blinking Red Once
Alert Mode (Contacts
are Opened or Closed)

Fast Blinking Red
Control-D2D Unpairing
in Progress

Fast Blinking Red Every
30 Seconds
Batteries are low; please
replace the batteries

If you are new to YoLink, please install the app on your phone or tablet, if you have not already. Otherwise, please proceed to the next section.

Scan the appropriate QR code below or find the "YoLink app" on the appropriate app store.

Download on the
App Store

Available on
Google Play

Apple phone/tablet
iOS 9.0 or higher

Android phone/tablet
6.0 or higher

Open the app and tap **Sign up for an account**. You will be required to provide a username and a password. Follow the instructions, to set up a new account. Allow notifications, when prompted.

You will immediately receive a welcome email from no-reply@yosmart.com with some helpful information. Please mark the yosmart.com domain as safe, to ensure you receive important messages in the future.

Log in to the app using your new username and password.

The app opens to the **Favorite** screen. This is where your favorite devices and scenes will be shown. You can organize your devices by room, in the **Rooms** screen, later.

1. Tap **Add Device** (if shown) or tap the scanner icon:

Scanner icon

≡ Favorite ↻ ⊡ 🗩
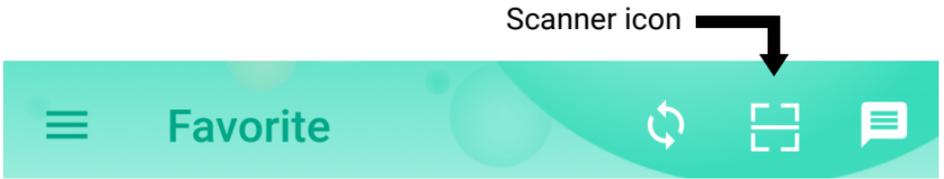
2. Approve access to your phone's camera, if requested. A viewfinder will be shown on the app.

Scan QR-Code

Please put the product QR-Code in the box.
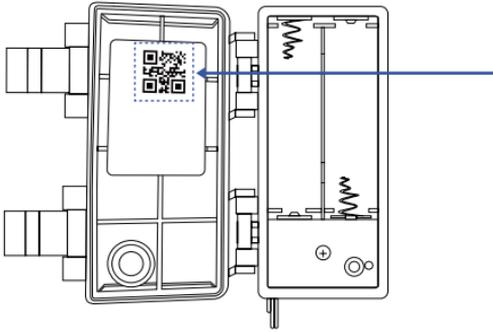
3. Hold the phone over the QR code so that the code appears in the viewfinder. If successful, the **Add Device** screen will be displayed.

4. You can change the device name and assign it to a room later. Tap **Bind device**.

5. If successful, the screen will appear as shown. Tap **Done**.

Door Sensor
d88b4c010003e0ff

✓ You have successfully added this product!

✓ This device is online

✓ Initial Configuration

Done
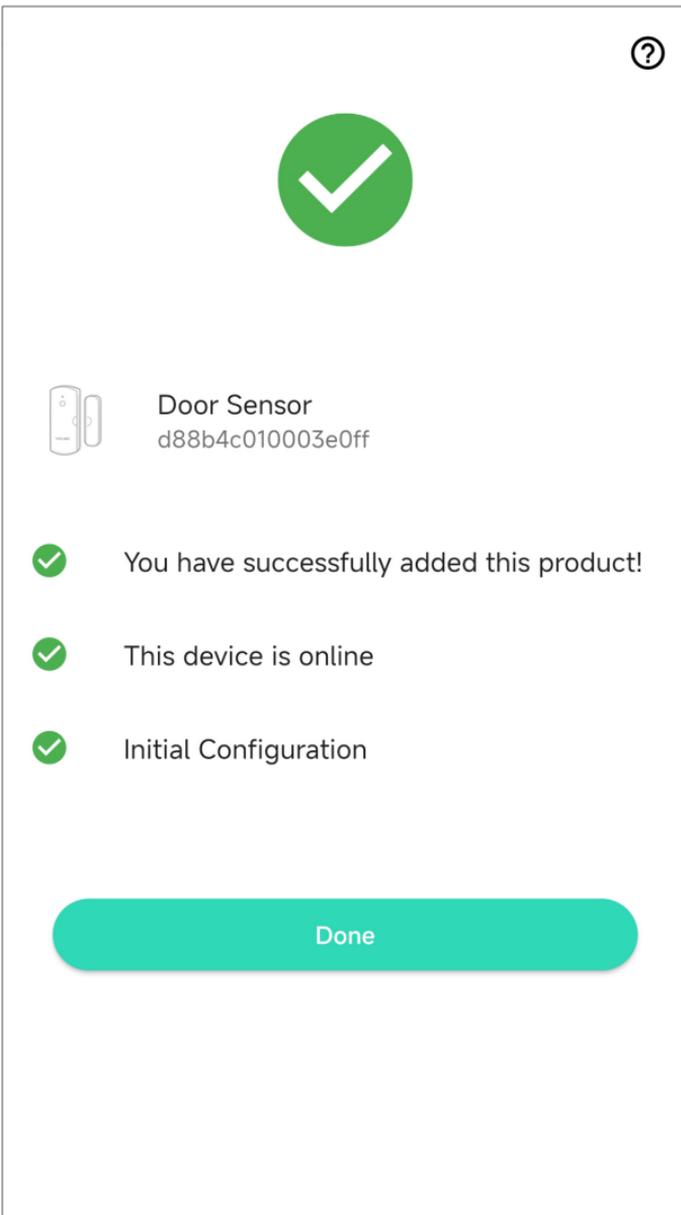
1. Observing the polarity indicators on the Contact Sensor, install the provided AA batteries into the Contact Sensor.

2. Observe the LED flashes red then green.

3. Close the cover and snap the two clasps in place.
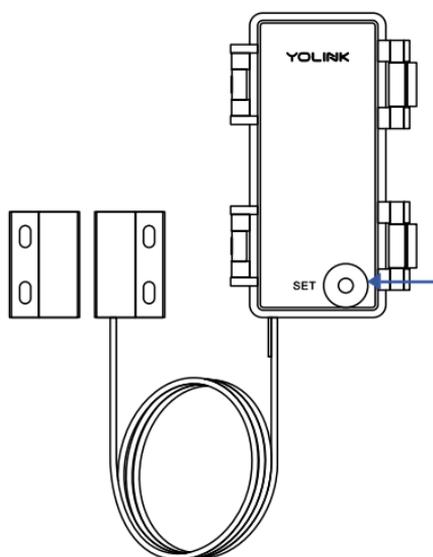
Press the SET button briefly
Observe the LED blinks red then green

Contact/door sensor basics

Before installing your new Contact Sensor, it is best if you understand how it works. The Contact Sensor is made up of three main parts. The large part is the main part, that houses the batteries and the electronics, and this is typically referred to as the contact sensor, or just "sensor". Wired to the Contact Sensor is a small black part. This is a reed switch. A reed switch can be thought of like a simple switch, sort of like a doorbell switch, but instead of pressing it, you'd hold a magnet to it. A reed switch is sensitive to the force of a magnet, and when one is close enough, the reed switch completes a circuit and this informs the Contact Sensor that the door or gate or lid is in the closed position. The other black piece that resembles the reed switch is the magnet, of course.

The reed switch has a maximum distance between it and the magnet, while it will indicate the door is closed. This is often referred to as the "gap". The Contact Sensor has a maximum gap of around ¾" or around 19 millimeters. The door material, such as steel versus wood, can adversely impact this distance.

The reed switch on the Contact Sensor can be removed, allowing for wiring to be connected to any set of dry (no voltage) normally-open or -closed contacts. This includes things like high-security, armored door contacts and contacts made for chain link fence gates.

For example, you can cut off the switch as shown in this picture:

If you remove the magnet and separate the two wires, there is no voltage between them. Once you connect the two wires, the device will recognize it as being in the closed state. The device determines its state based on the resistance value between the two wires.
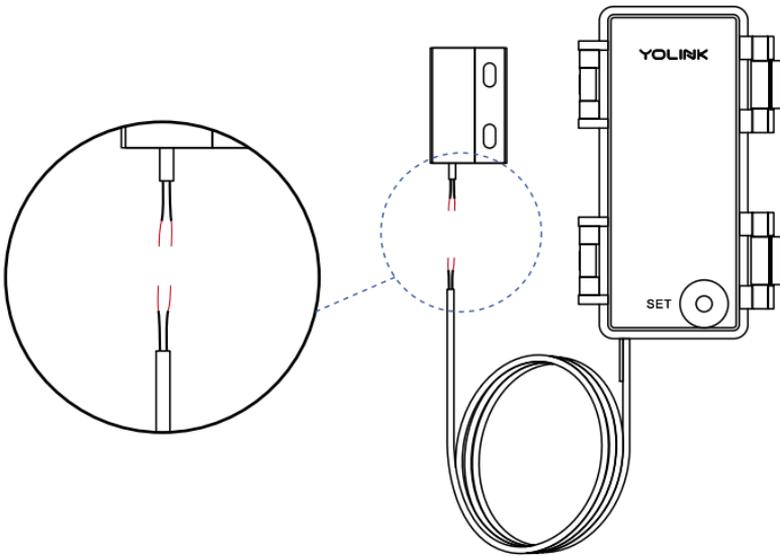
In this guide we'll refer to the door, gate or lid, or other object you are installing the Contact Sensor on, simply as a gate.

When installed on your gate the two parts should remain less than ¾" away from each other with the gate in the closed position. When determining the appropriate location, placement and orientation of the Contact Sensor parts, you can view the status of the Contact Sensor in the YoLink app, as well as use the sensor's LED indicator (which illuminates briefly when the door is opened or closed) to check your installation.

Sensor location considerations

The Contact Sensor can be used on many types of gates, doors, windows, lids, and drawers, etc. It is not within the scope of this guide to cover all applications, but additional information can be found in the full user guide. If you need guidance with your application, please contact us!

Please have your Contact Sensor added to the app and online before starting the installation process. This will allow you to check the status of the door sensor in the app, so you can verify and test your installation.

Before installing the Contact Sensor, consider the following:

- The magnet can be on the door, or the reed switch can be on the door. Of course, the sensor body itself must be mounted with the reed switch.

- The Contact Sensor should always be installed on the indoor and/or "secure" side of the door (that is on the locked or private side of the door, which should not be subjected to tampering or disabling by an intruder, etc.).

- Avoid locations where the sensor will be subjected to physical damage, such as on the bottom of the door (where it might be kicked) or near the handle (where is might be struck by a hand or object).

- Do not place the reed switch too close to the magnet. As play in the gate, or as the gate material can shrink or expand with temperature changes, the distance between the two pieces might change later, too, resulting in the two parts colliding.

- Use care to not place your reed switch and magnet too far apart. If you have placed the reed switch and magnet at their absolute farthest distance from each other, expansion or contraction of the gate or frame, due to temperature or humidity changes, could result in your Contact Sensor indicating the gate is open when it is not. Also, gates with too much play (movement while in the closed position), can contribute to false-open indications.

Preinstall the Sensor

After determining the location for your Contact Sensor, we recommend that you preinstall the sensor to test the proposed location for each part. You can use painter's tape, for example, to told each part in place for testing. The Contact Sensor itself can be mounted to the surface using the included 3M mounting tape. The reed switch and magnet are designed to be screwed to the gate/frame surface. If the included screws are not appropriate for the gate/surface material, substitute them for the appropriate hardware. Or, you may consider trimming off a small piece of 3M mounting tape for the reed switch and magnet (or furnish your own).

1. Before using 3M mounting tape for any item, it is very important that you first clean the mounting surface! If the mounting surface is dirty, grimy, greasy or it is not clean and dry, the effectiveness of the tape's adhesive will be reduced. The Contact Sensor might fall down later, resulting in damage (that is not covered by the warranty). The best way to clean most surfaces is with Rubbing Alcohol. Allow the alcohol to fully evaporate before installing your Contact Sensor. If using chemicals like soap or a degreaser, use a cloth or paper towel damp with water, to fully remove any cleaning substances from the surface.

2. To preinstall the reed switch, use painter's tape, for example, to hold it in place at the desired location.

3. You may find it helpful to use painter's tape to secure the Contact Sensor temporarily at its proposed location, otherwise set it aside, but allow for the length of wire that will be needed if the reed switch and Contact Switch are installed where desired.

4. With the gate in the normal/closed position, to preinstall the magnet, use painter's tape, for example, to hold it in place at the desired location. While placing the magnet, observe the LED on the front of the Contact Sensor. It will briefly flash red when the magnet is sufficiently close to the reed switch. It will also briefly flash red when the two are separated.

5. Ensure the Contact Sensor indicates the gate is closed when it is closed, and that it indicates the gate is open when opened.
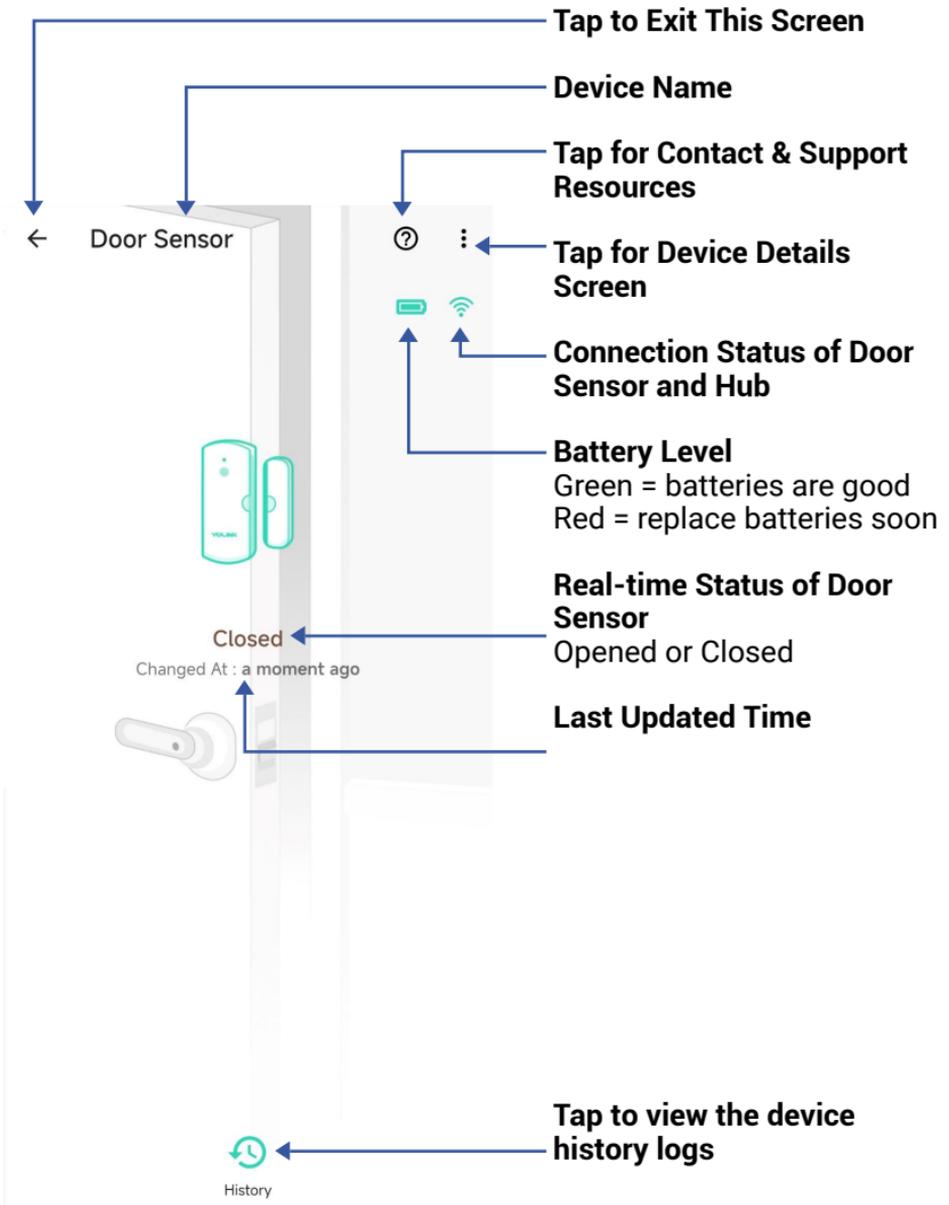
Install the Contact Sensor

After you are satisfied with the location and placement of the Contact Sensor, you can now permanently install it:

1. If you used painter's tape to hold the parts in place, you may find it easiest to partially remove the tape, just enough to allow for screwing the reed switch and magnet in place. Otherwise, you may wish to remove the tape entirely, while marking the exact location of the sensor and magnet with a pencil or marker or painter's tape. Using the supplied screws, screw the reed switch and magnet components to the gate/frame surface, while either observing the Contact Sensor status in the app, or by carefully observing the LED.

2. Test the gate opening and closing.

3. If you are satisfied with the Contact Sensor indications, permanently install the Contact Sensor. Remove one side of the mounting tape's protective plastic. Place the mounting tape, sticky side down, on the back of the Contact Sensor. Remove the remaining piece of protective plastic. Place the Contact Sensor on the mounting surface. Press down and hold for at least 5 seconds, for the adhesive to bond to the surface.

J App Functions: Device Screen

In the app, tap on your Contact Sensor icon. Your Contact Sensor main screen should be similar to the one shown below.

Tap to Exit This Screen

Device Name

Tap for Contact & Support Resources

← Door Sensor ⑦ ⋮

Tap for Device Details Screen

Connection Status of Door Sensor and Hub

Battery Level
Green = batteries are good
Red = replace batteries soon

Real-time Status of Door Sensor
Opened or Closed

Closed
Changed At : a moment ago

Last Updated Time

Tap to view the device history logs

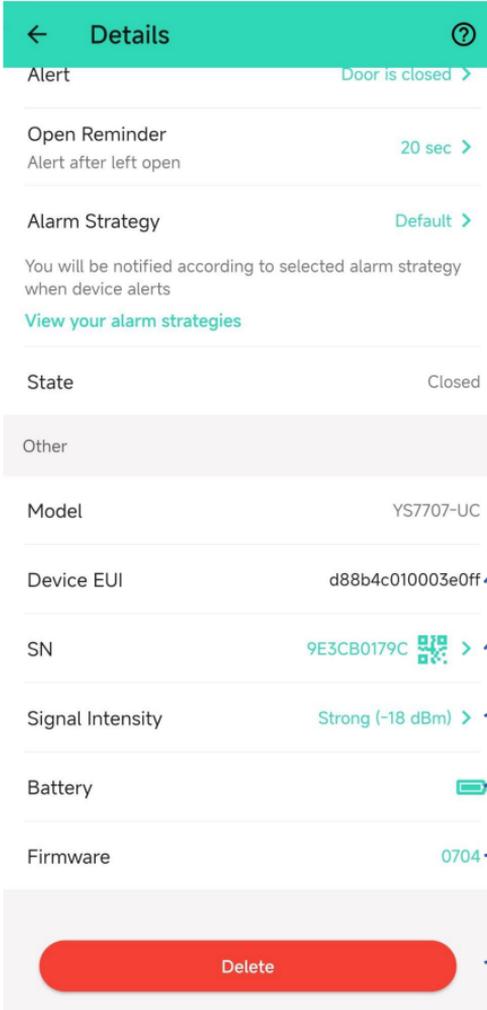History

App Functions: Device Details Screen

Tap the three dots (in the upper right corner) to open the Contact Sensor **Details** screen. Your Contact Sensor screen should be similar to the one shown below.

Details	
Type	Door Sensor
Name	Door Sensor >
Room	1.27 >
Favorite	♡
Will show in favorite screen	
History	>
Get device logs	
Alert	Door is closed >
Open Reminder	20 sec >
Alert after left open	
Alarm Strategy	Default >
You will be notified according to selected alarm strategy when device alerts	
View your alarm strategies	
State	Closed
Other	
Model	YS7707-UC
Device EUI	d88b4c010003e0ff

Device Type

Device Name
(Tap to Edit)

Room
(Tap to Edit)

Favorite
(Red if Favorite, Tap to Edit)

Device alarm history
Tap to view device history

Alert Settings
Tap to enable or disable alerts

Open Reminder
Tap to edit open reminder and continuous alarm settings

Alarm Strategy
Tap to edit the sensor's Alarm Strategy

State

← **Details** ⑦

Alert   Door is closed >

Open Reminder
Alert after left open   20 sec >

Alarm Strategy   Default >

You will be notified according to selected alarm strategy
when device alerts

View your alarm strategies

State   Closed

Other

Model   YS7707-UC   **Model Number**

Device EUI   d88b4c010003e0ff   **Device EUI**
                                                      Unique Identifier Number

SN   9E3CB0179C ▦ >   **Device Serial Number**

Signal Intensity   Strong (-18 dBm) >   **Signal Intensity**
                                                      (From YoLink Hub)

Battery   ▭

Firmware   0704   **Firmware Revision**
                                                      (Refer to page 31)

[Delete]   **Remove Device from**
              Current Account
              Tap to delete the device
              from your YoLink account

The Contact Sensor can be set up as a condition in automation.

Tap to save the settings

| ← Automation | ✓ |

Edit the name of the automation

Name
Front Door

10/64

Tap to set a condition for the automation

When

Door Sensor   Door Open

Then

Add behavior
Tap to add a behavior

Behavior   ↑≡   +   🗑≡

🔔 7105 X3 Siren
Start Alarm

Delete the behavior

Tap to sort behaviors

Working Time

Always Working

Always Working
Tap to set when the automation can be activated

Advanced Settings   ⌄

Advanced Settings
Tap to edit advanced automation and logging settings

The Automation settings are saved in the cloud.

You can edit the Advanced Settings, including save the log, retry if action fails, notify if action fails, etc.

M App Functions: Alarm Strategy Screen

You can set up notifications in Alarm Strategy settings, make sure you have enabled App, Email, SMS notification from the app->Menu->Settings->Account Settings->Advanced Settings, and verified your email address and added your phone number in the app.
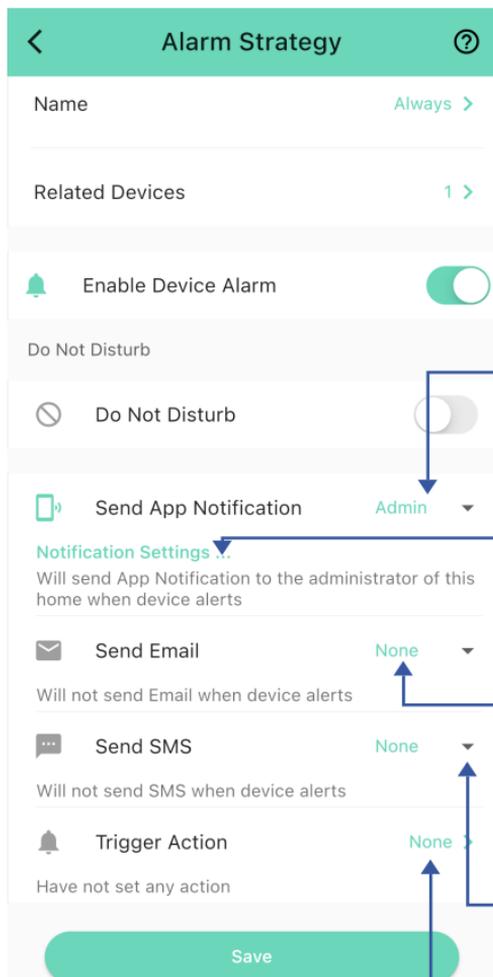
‹	Alarm Strategy	⑦
Name		Always ›
Related Devices		1 ›
🔔 Enable Device Alarm		🟢

Do Not Disturb

| ⊘ Do Not Disturb | | ⚪ |

| 📱》 Send App Notification | Admin ▼ |
Notification Settings ...
Will send App Notification to the administrator of this home when device alerts

| ✉ Send Email | None ▼ |
Will not send Email when device alerts

| 💬 Send SMS | None ▼ |
Will not send SMS when device alerts

| 🔔 Trigger Action | None › |
Have not set any action

Save

Strategy Name
Tap to edit the name

Related Devices
Tap to add more devices (that can alert) to this strategy, a device can be related to only one strategy

Tap to Enable or Disable The Strategy

Tap to Set Up Dnd (Do Not Disturb)

Alarm Strategy

Name	Always >
Related Devices	1 >
🔔 Enable Device Alarm	⬤

Do Not Disturb

| 🚫 Do Not Disturb | ⬤ |

| 📱 Send App Notification | Admin ▾ |

Notification Settings ▾.
Will send App Notification to the administrator of this home when device alerts

| ✉ Send Email | None ▾ |

Will not send Email when device alerts

| 💬 Send SMS | None ▾ |

Will not send SMS when device alerts

| 🔔 Trigger Action | None › |

Have not set any action

Save

Send App Notification
Tap to select Admin to enable App push, select All, if desired for all members

Notification Settings (iOS only)
Tap to change notification tone, if desired

Send Email
Tap to select Admin to enable email notification, select All, if desired to send to all members

Send SMS
Tap to select Admin to enable limited text messages, select All (subscribe required-starter or standard plan), if desired to send to all members

Trigger Action
Tap to choose trigger actions (YoLink sirens, YoLink SpeakerHubs, scene)

23

N Control D2D

YoLink Control-D2D (device-to-device) pairing is a feature unique to YoLink products. One device can be paired to one (or more) devices. When two or more devices are paired, a link is created, "locking-in" the behavior, so that the device(s) will carry out their paired behavior when required, regardless of a connection to the internet or cloud, and even without AC power (in the case of battery-powered or battery backed-up devices). For example, a Door Sensor can be paired to a Siren Alarm, so that when the door is opened, the siren is activated.

Several important points:

- The use of Control-D2D is entirely optional. It is more common to use the app's automation and scene settings to create desired behaviors, such as motion sensors turning on the lights automatically. Your application may require functionality during the loss of internet/WiFi, in which case Control-D2D pairing may be preferred.

- A device that controls another device is referred to as a Controller. The device that is controlled is referred to as a Responder.

- While online, any paired behaviors as well as automation and scene settings (desired siren behaviors set in advance by you, such as the door sensor/siren example) will both be carried out. Paired behaviors and app settings can coexist, but use care to not create conflicting actions between the two, as the device may not operate as desired.

- A device can have up to 128 pairings.

The following instructions use pairing your Contact Sensor with a YoLink Siren as an example, when door is open, then start alarm.

1. To configure your Contact Sensor as a controller, open the door, press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then, release the button.
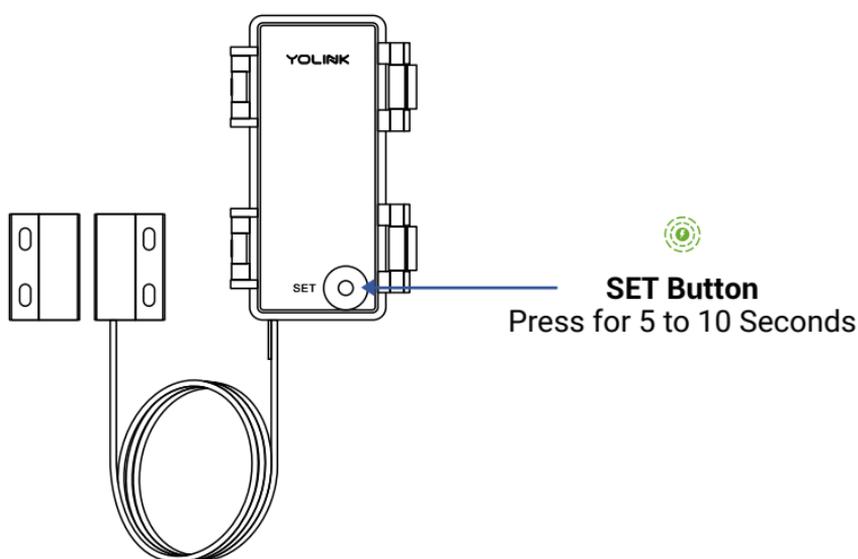
SET Button
Press for 5 to 10 Seconds

2. To configure a YoLink Siren as the responder, press and hold the SET button for 5-10 seconds until the LED quickly blinks green, then, release the button.

SET Button
Press for 5 to 10 Seconds

SET

YOLINK
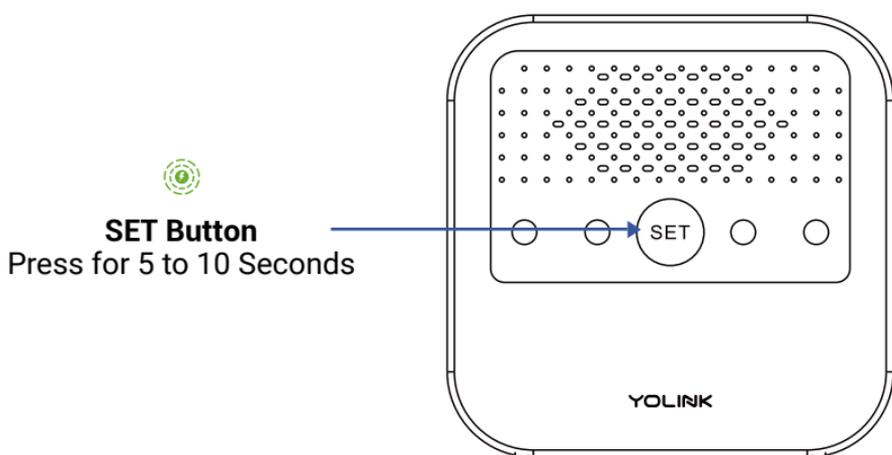
3. Upon pairing, the LED will stop blinking (this may happen after only blinking two or three times).

When the door sensor is opened, the siren will start alarm.

Unpair your Contact Sensor:

1. On the Contact Sensor, press the hold the SET button for 10 to 15 seconds, until the LED quickly blinks red, then release the button.

2. On the Siren, press and hold the SET button for 10 to 15 seconds, until the LED quickly blinks red, then release the button.

⚠️

The LED will flash green prior to the 10 second mark, going into pairing mode, but keep pressing until the LED flashes red. The Controller's pairing is now removed. This contact sensor will no longer control the siren.

O App & 3rd-Party Services

The YoLink Contact Sensor works with several voice assistants, including Alexa and Google, and it works with other automation platforms such as IFTTT and Home Assistant.

To set up 3rd-party integrations (Alexa, Google and IFTTT), in the app, go to Settings, Third-Party Services, and follow the instructions.
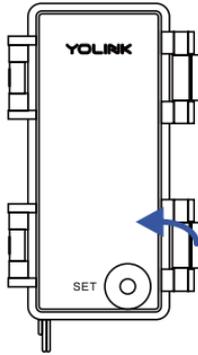
Refer to the Home Assistant website and the YoLink integration page for instructions.

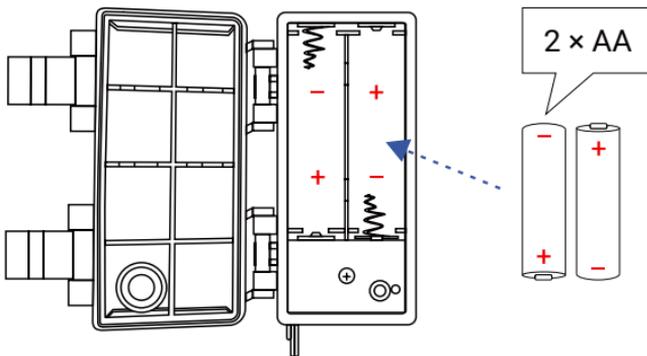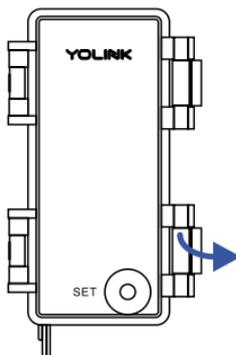https://www.home-assistant.io/integrations/yolink/

P Battery Replacement

1. With a lifting/prying action on the two clamp latches, open the cover on the sensor.

2. Install two new alkaline non-rechargeable AA batteries.

2 × AA

3. Close the two clamps of the sensor.

4 Using the app, check the online status of the sensor and verify there is no low-battery indicator.

Do not mix old and new batteries

Q Factory Reset

Factory reset will erase device settings and restore it to factory default settings. Doing a factory reset will not remove the device from your account and it will not harm the device, or lose any data or require you to redo your automations, etc.

Instructions:

Hold the SET button down for 20-30 seconds, until the LED blinks red and green alternately. Then, release the button. (Holding the button down longer than 30 seconds will abort the factory reset operation)

Factory reset will be complete when the LED stops blinking.

😕

PLEASE NOTE: Only deleting a device from the app will remove it from your account. Factory reset will not delete the device from the app.

R Firmware Update

Your YoLink products are constantly being improved, with new features added. It is periodically necessary to make changes to your device's firmware. For optimal performance of your system, and to give you access to all available features for your devices, these firmware updates should be installed when they become available.

In the Detail screen of each device, at the bottom, you will see the Firmware section, as shown in the image below. A firmware update is available for your device if it says "#### ready now"

Signal Intensity	Strong (-32 dBm)
Firmware	0703

Delete
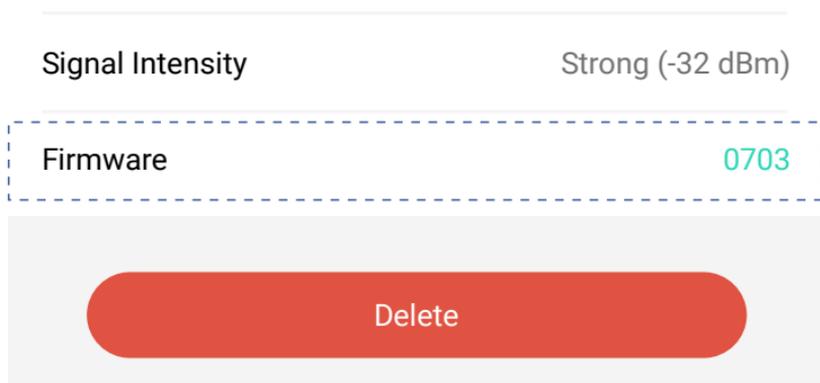
Tap in this area to start the update.

The device will update automatically, indicating progress by percentage-complete. You may use your device during the update, as the update is performed "in the background". The LED will slowly blink green during the update, and the update may continue for several minutes beyond the LED turning off.

S Specifications

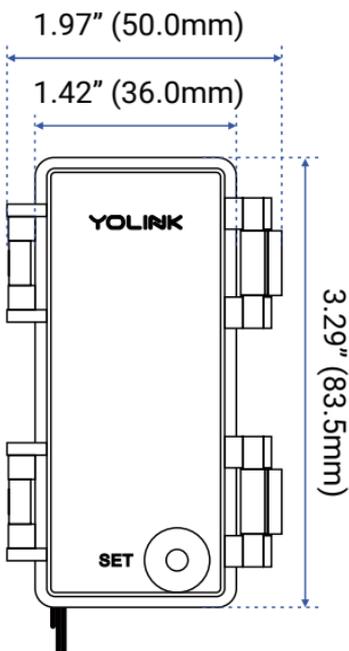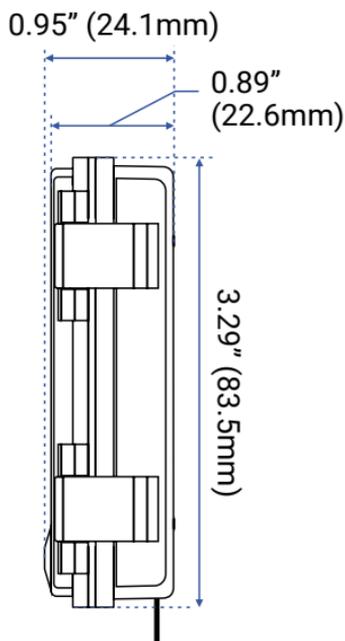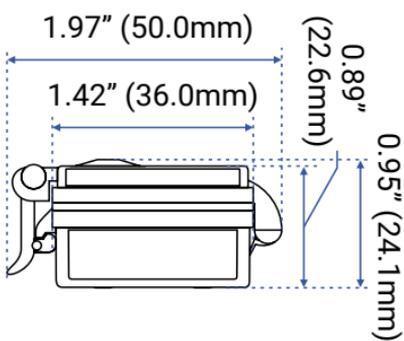|	
Voltage:	3V DC (2 - Alkaline Non-Rechargeable AA Batteries)
Magnet Gap:	≤ 0.7 inch (18 millimeters)
Reed Switch Type:	NC (Normal closed type)
IP Rating:	IP65
Dimensions, Imperial (L x W x D):	3.29 x 1.97 x 0.95 inches
Dimensions, Metric (L x W x D):	83.5 x 50 x 24.1 mm
Environment: (Indoor/Outdoor use)	Temperature: -4°F - 122°F (-20°C - 50°C) Humidity: < 95%RH non-condensing

1.97" (50.0mm)

1.42" (36.0mm)

YOLINK

SET

3.29" (83.5mm)

FRONT

0.95" (24.1mm)

0.89" (22.6mm)

3.29" (83.5mm)

SIDE

1.97" (50.0mm)

1.42" (36.0mm)

0.89" (22.6mm)

0.95" (24.1mm)

TOP

T Troubleshooting

These troubleshooting suggestions assume the device has been successfully added to the app. If the device is not working correctly and it is not In the app, return to the Add the Contact Sensor to the App section and double-check or re-do these steps.

A. Device can not be operated at all, and can not be operated manually via the SET button:

1) Ensure the device is turned on (See Power Up section, if needed).
2) Check batteries, verify proper installation.
3) Replace the batteries.

B. Device can be operated manually, but it is offline

1) Ensure the device is connected to the cloud, by pressing the SET button until the LED illuminates briefly.
2) Ensure the device is within range of the hub. If you are installing the device remotely from the hub, first place it near the hub to ensure it connects to the cloud via the hub. (Press the SET button briefly to force the device to attempt to reconnect with the cloud). If it is now online, the original location was out of range of the hub. Relocating the device, the hub, or adding an additional hub may be solutions. Contact us as needed for additional guidance.

C. If a Control-D2D-paired functionality is not working:

1) Review and re-do the pairing steps, as needed. You can unpair the devices and re-pair them.

D. Performing a factory reset can clear up some issues. Refer to page 30 for instructions. If the device remains non-operational, it may be defective. **Please contact us for assistance with replacing your YoLink product.**

E. Other issues, please contact us via the info on the last page of this guide.

U Warnings

- Please install, operate and maintain the Contact Sensor only as outlined in this manual. Improper use may damage the unit and/or void the warranty

- Use only new, name brand, alkaline non-rechargeable AA batteries

- Do not use rechargeable batteries

- Do not use zinc blend batteries

- Do not mix new and old batteries

- Do not puncture or damage batteries. Leakage can cause harm on skin contact, and is toxic if ingested

- Do not dispose of batteries in fire as they may explode! Please follow local battery disposal procedures

- Do not install or use the sensor outside of the temperature and humidity range listed in the Environmental section in Specifications, on page 32

- If your Contact Sensor gets dirty, please clean it by wiping it down with a clean, dry cloth. Do not use strong chemicals or detergents, which may discolor or damage the exterior and/or damage the electronics, voiding the warranty

- Do not install or use this device where it will be subjected to physical impacts and/or strong vibration. Physical damage is not covered by the warranty

- To avoid damaging the device, if storing the device for an extended period, remove the batteries

- Please contact Customer Service before attempting to repair, disassemble or modify the device, any of which can void the warranty and permanently damage the device

V Warranty

2 Year Limited Electrical Warranty

YoSmart Inc. warrants to the original user ("customer") of this product that it will be free from defects in materials and workmanship, under normal use, for 2 years from the date of purchase. This warranty does not apply to devices that have been improperly installed, modified, put to a use other than designed, or subjected to acts of God (such as floods, lightning, earthquakes, etc.). This warranty does not cover neglected or abused products. This warranty is limited to the repair or replacement of the device, only, at YoSmart's sole discretion. YoSmart will NOT be liable for the cost of installing, removing, nor reinstalling this product, nor direct, indirect, or consequential damages to persons or property resulting from the use of this product. This warranty only covers the cost of replacement parts or replacement units, it does not cover shipping & handling fees. The customer must provide proof of purchase, in the form of the original purchase invoice or order number. The purchase must have been made from an authorized seller.

To implement this warranty please contact us by one of the methods listed on the Contact Us page of this user guide.

W 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. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

PRODUCT NAME:
CONTACT SENSOR

PARTY:
YOSMART, INC.

TELEPHONE:
831-292-4831

MODEL NUMBER:
YS7707-UC

ADDRESS:
25172 ARCTIC OCEAN DRIVE, SUITE 106
LAKE FOREST, CA 92630 USA

EMAIL:
SERVICE@YOSMART.COM

We are here for you, if you ever need any assistance installing, setting up or using a YoLink app or product!

Need help? For fastest service, please email us 24/7 at **service@yosmart.com**

Or call us at **831-292-4831** (US phone support hours: **Monday - Friday, 9AM to 5PM** Pacific)

You can also find additional support and ways to contact us at:
www.yosmart.com/support-and-service

Or scan the QR code:

Support Home Page

Finally, if you have any feedback or suggestions for us, please email us at
feedback@yosmart.com

Thank you for trusting YoLink!

YoLink Customer Support

YOLINK