



mini



## INSTRUCTIONS SETUP



### Notes on safe use of door operators

*There is a risk of serious or fatal injury if the ismartgate device is not used correctly.*

- ØKeep children away from the ismartgate and the user interface.
- ØDo not drive through the door until it has fully opened.
- ØObserve all warnings and safety information in the installation and operating manual for the operator.

### Notes on safe operation of the ismartgate device.

The ismartgate device may only be used on the operator in combination with a photocell.

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# LEGAL INFORMATION

## Intended use

The ismartgate may be used in combination with any compatible garage door or gate operator.

With an established network connection, the door can be opened and closed, the current door status and the door status queried, settings can be made and administrators via the user interface (Apple, Android).

Any use above and beyond this is deemed to be improper use and is therefore not permissible. Improper use will render all claims under warranty null and void.

### Useful Links:

#### Website:


<https://www.ismartgate.com/>

#### Manual:

<https://setup.ismartgate.com/>

#### Compatibility Checker:

<https://ismartgate.com/compatibility-checker/>




### EU Declaration of Conformity

<b>Manufacturer:</b>	<b>Name:</b>	REMSOL EUROPE S.L.
	<b>Address:</b>	Fructuós Gelabert, 2 (Office 4-2) Sant Joan Despí, 08970, Barcelona, SPAIN
<b>Equipment:</b>	<b>Name:</b>	ismartgate Lite / PRO
	<b>Model Number:</b>	ISG-02VAXYYY (XX=NA,EU,UK,AU,YYY=102,103,202,203)
	<b>Software:</b>	v1.4.9
	<b>Product Type:</b>	Smart Garage Door Opener Accessory
	<b>*Supplied Accessories:</b>	Power adapter

We, REMSOL EUROPE S.L., declare under our sole responsibility that the above referenced product complies with the following:

<b>Directives:</b>	<b>2014/53/EU</b> <b>2009/125/EC</b> <b>2011/65/EU</b>
<b>Article 3.1a:</b>	<b>Safety and Health</b> EN 60950-1:2008+A1:2010+A11:2009+A12:2011+A2:2013 EN 62479:2010
<b>Article 3.1.b:</b>	<b>EMC</b> EN 301 489-1 V2.2.0 EN 301 489-17 V3.2.0
<b>Article 3.2: Frequency:</b>	<b>Power:</b>
2.400 - 2.4835 GHz	<100mW
<b>Additional Compliance:</b>	<b>RoHS:</b>
	EN50581:2012
<b>Signed for and on behalf of:</b>	<b>REMSOL EUROPE S.L.</b>
<b>Place:</b>	Barcelona
	<b>Date:</b> 15 May 2019

<b>Name:</b>	<b>Function:</b>	<b>Signature:</b>
Joan Llopert Masana	CTO	

## FCC / IC Statement (USA / Canada)

### Item No.: ISG-TWS & ISG-GWS / 2401.0

This device complies with FCC rules part 15. The operation of this device is subject to the following conditions:

- 1) This device may cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation!

# TECHNICAL INFORMATION

## Functional Description

The ismartgate serves as an interface between end devices such as Tablet or Smartphone (Android and iOS) and any compatible garage door or gate operator. Up to one (1) door operator to one (1) ismartgate MINI. The ismartgate device is then connected to a network using Wi-Fi or LAN.

This enables communication with the operator via a graphical user interface. Among other things, the door status can be queried.

The connection can be established in two ways:

### Client Mode (Standard):

The ismartgate is integrated into the home network via Wi-Fi. The end device must have a data connection with adequate bandwidth. This allows you to access and operate the user interface via the app from any location where the data connection is available.

### Access Point Mode (Stand-alone):

The ismartgate functions as a Wi-Fi access point if no home network is available. A router is not required. The device can not switch automatically to the access point mode from Client Mode.

Access to user interface is only possible within the Wi-Fi radius. Remote Control is not possible.

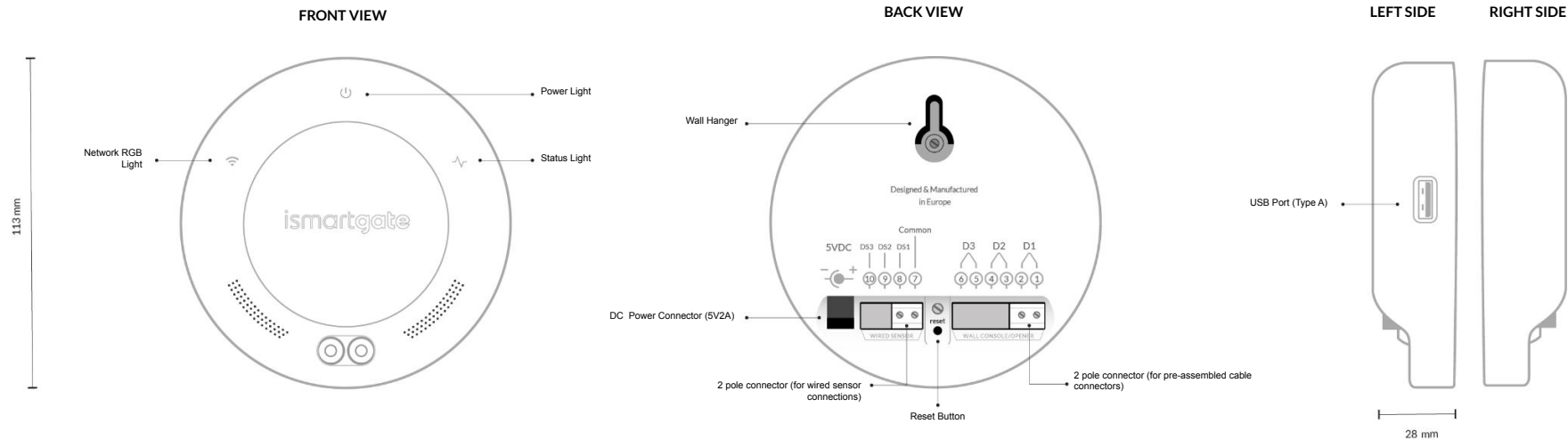
## Technical data

Power Supply input	
Rated voltage	100 - 240 V
Rated Frequency	50 / 60 Hz
Power Supply output	
Rated voltage	5V / DC
Rated current	2 A
Ismartgate Input	
Rated voltage	5V / DC
Rated current	2 A
Dimensions (without power supply unit)	110 x 110 x 27 mm
Wi-Fi standards	2.4 GHz / IEEE 802.11b/g/n

mini

# ismartgate MINI

## Interfaces & LEDS



# WHAT'S IN THE BOX

## Garage & Gate Packs



**ismartgate MINI**  
**Garage Kit**



ismartgate MINI



Wireless Sensor  
(ISG-TWS)



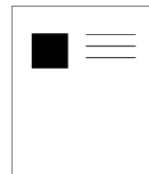
1x Connection Cables



LR1/Type-N 1.5V  
Batteries



Power Supply



Quick Start Guide

# WHAT'S IN THE BOX

## Garage & Gate Packs

mini



**ismartgate MINI**  
**Gate Kit**



ismartgate MINI



Wireless Sensor  
(ISG-GWS)



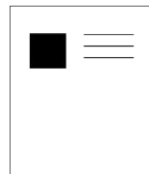
1x Connection Cables



LR1/Type-N 1.5V  
Batteries



Power Supply



Quick Start Guide

# WHAT'S IN THE BOX

## Garage & Gate Packs



**ismartgate MINI**  
**Wired Kit**



ismartgate MINI



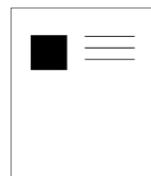
Wired Sensor  
(ISG-WDS)



1x Connection Cables



Power Supply



Quick Start Guide

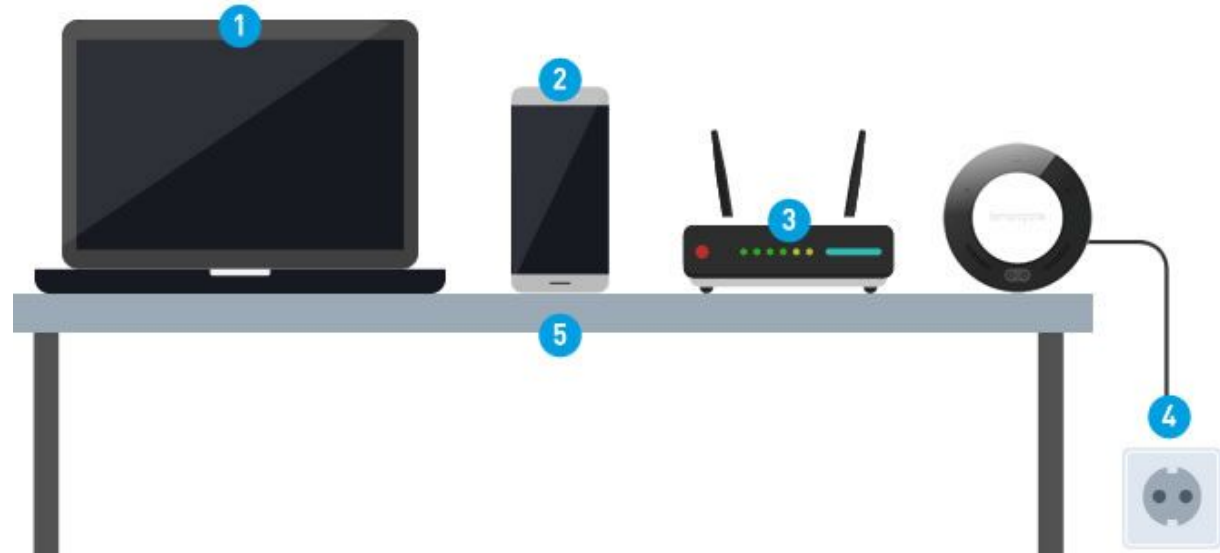


# CONSIDERATIONS FOR INSTALLATION

## Set Up environment

We recommend programming the ismartgate in a room close to home main Wi-Fi router, in a clean surface like a desk. It is also recommended to have both a Smartphone and PC. Finally make sure you have a power outlet close by, where to power on the ismartgate device.

1. **PC (Laptop) :**  
Use your laptop to follow this manual instructions.
2. **Smartphone :**  
To program ismartgate from the app.
3. **Router:** To make sure there is a strong Wi-Fi (2.4GHz Network) during programming.
4. **Power Outlet:** To power on your ismartgate device.
5. **Desk:** Flat surface to program the ismartgate device.



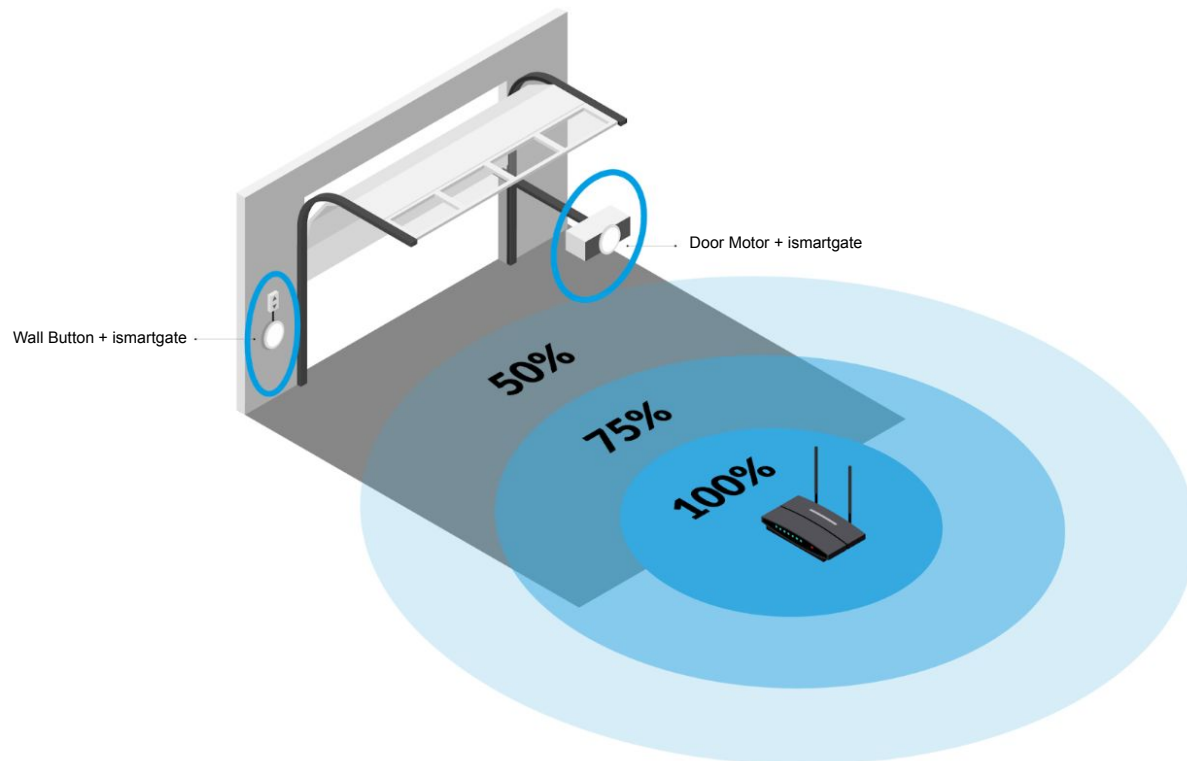
# CONSIDERATIONS FOR INSTALLATION

## ismartgate Placement

Make sure ismartgate is placed in the area with 50% or more Wi-Fi signal strength.

Wi-Fi must be 2,4Ghz-802.11 b/g/n  
(NOT 5Ghz - 802.11 ac)

Device can be placed next to  
Garage Door opener or Wall  
Mounted Push Button



# PROGRAMMING ISMARTGATE

Download APP (ismartgate Access)

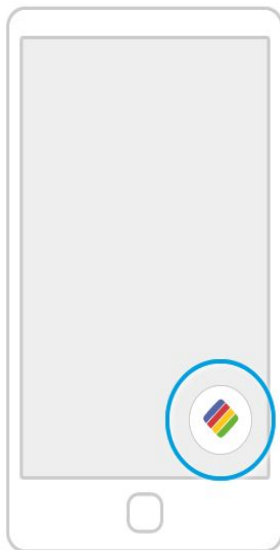


Download the  
“ismartgate Access” APP  
for your iPhone/iPad or  
for your Android phone.

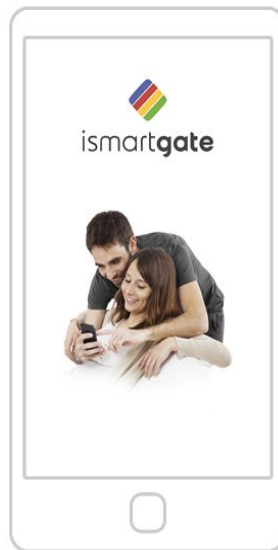


# PROGRAMMING ISMARTGATE

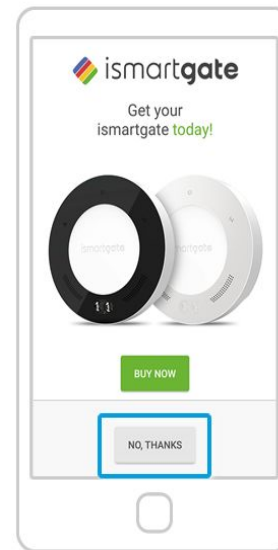
Open ismartgate access app



On your phone, look for the logo of the ismartgate app and click on it to open the app



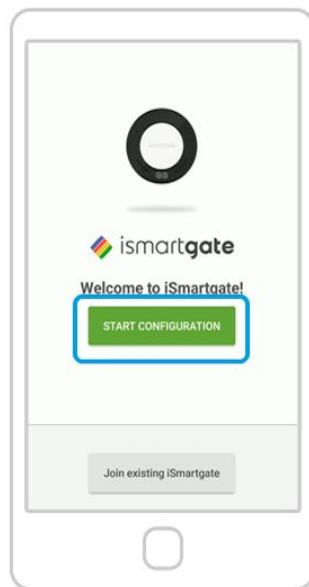
Wait for the introductory screen to go away.



Press "No, Thanks"

# PROGRAMMING ISMARTGATE

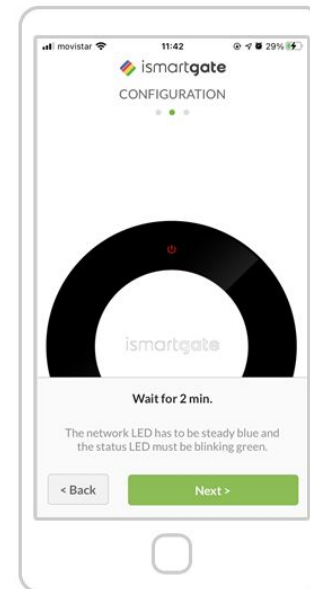
## Start Configuration



Press "Start Configuration".



Power up the iSmartgate. Afterwards, select the option "Model Mini".



Wait 2 minutes. Then press "Next".

# PROGRAMMING ISMARTGATE

Check connection light color

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Connection light blinks **blue**

[Please go to page 18](#)



Connection light blinks **green**.

[Please go to page 29](#)



Connection light blinks **red**.

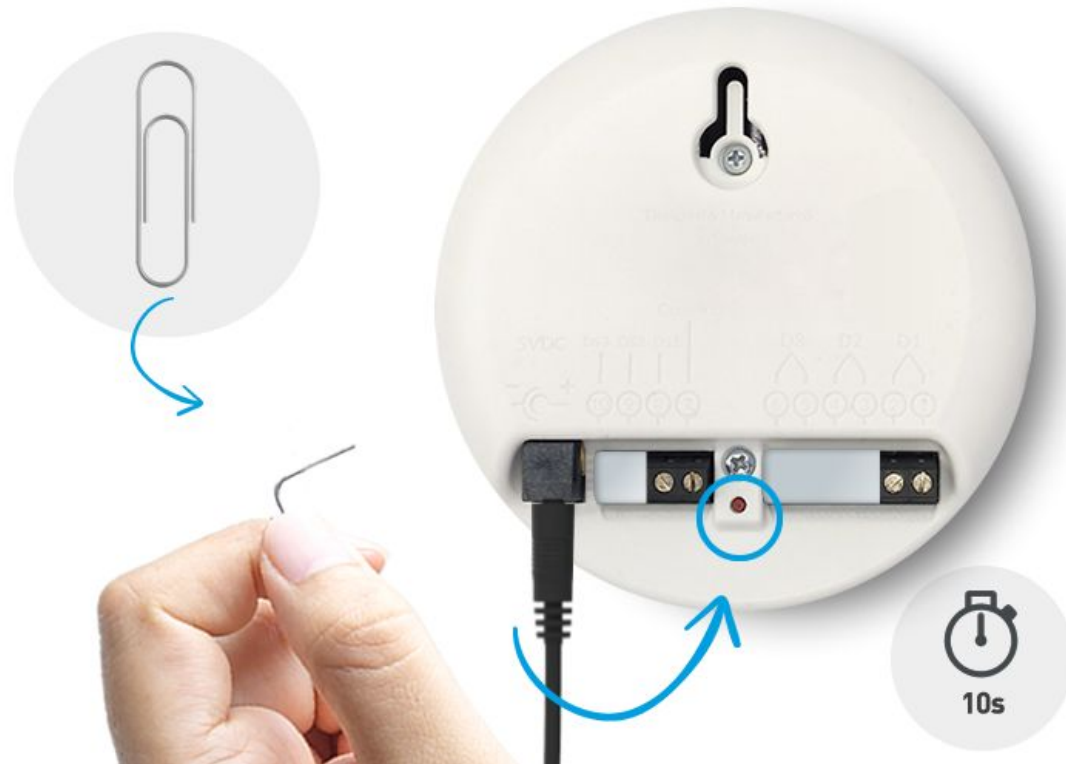
[Please go to page 15](#)

# RESETTING ISMARTGATE

The device must be powered ON

1

With the help of a paperclip, press the RESET button for about 10 seconds.

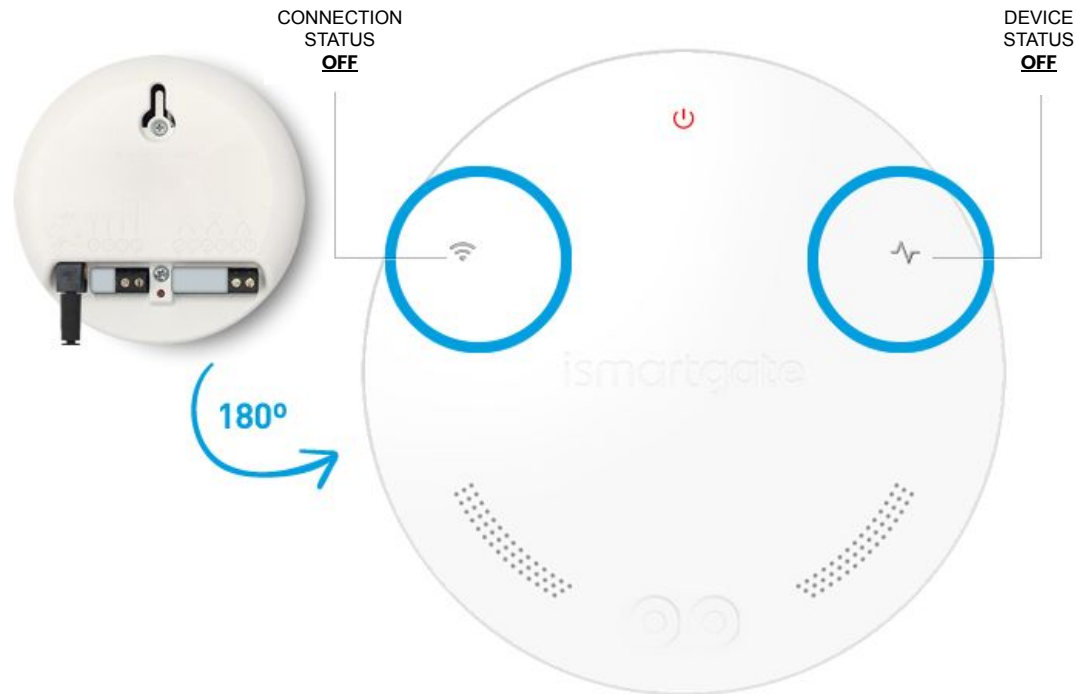


## RESETTING ISMARTGATE

The device must be powered ON

2

To check RESET has been successful, turn the ismartgate device to the front and check that “Connection & Status” lights are off.





# RESETTING ISMARTGATE

The device must be powered ON

3

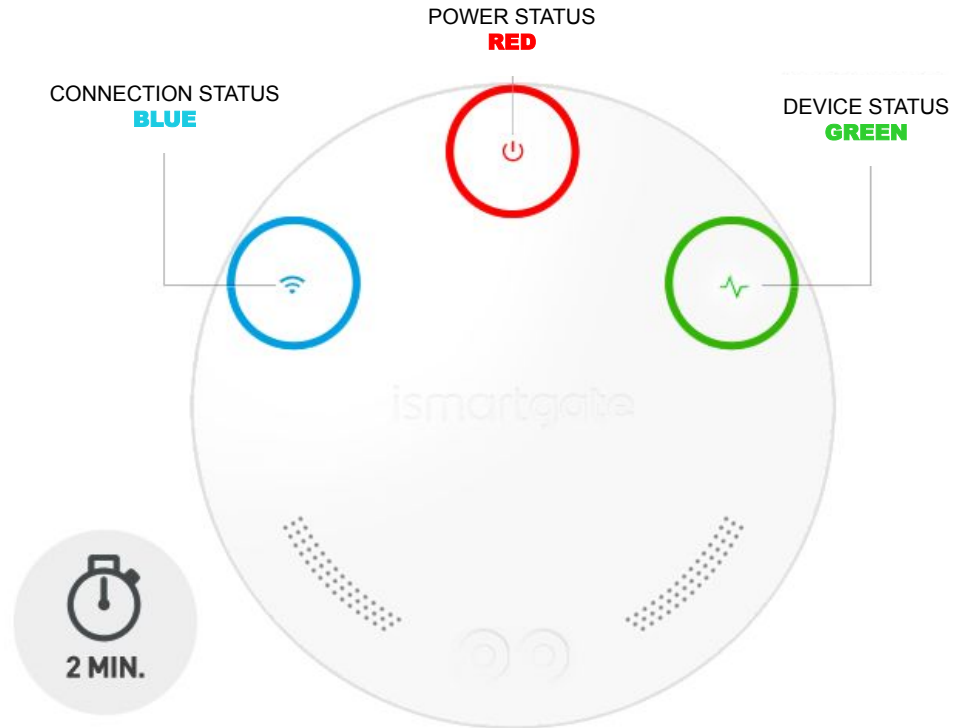
Wait 2 minutes until you see  
blinking:

- Status green light
- Power red light
- Wi-Fi blue light

Then re-program the ismartgate.

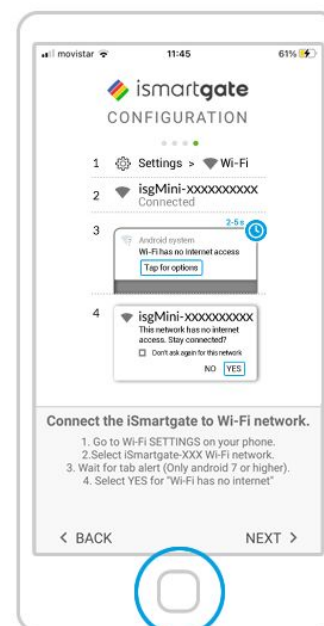
If RESET is successful, re-program  
the ismartgate device go to page

14



# PROGRAMMING ISMARTGATE

Connect to the Wi-Fi network generated by the ismartgate device.



# PROGRAMMING ISMARTGATE

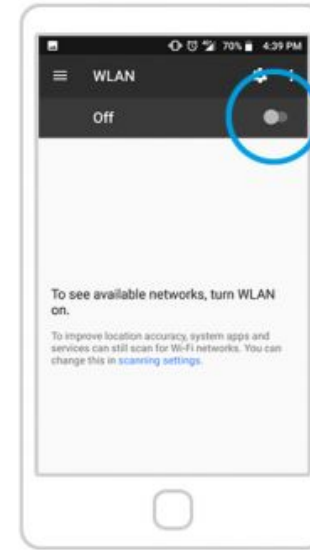
Enable the wireless network (Wi-Fi) connection



Go to Settings on your phone.



Select "Wi-Fi" (aka. WLAN) Settings.



Enable "Wi-Fi" settings on your phone if you haven't done so yet.


# PROGRAMMING ISMARTGATE

Connect to the Wi-Fi network generated by the ismartgate device.




From the list of available Wi-Fi networks, select the one starting with "isg-Mini-XXXXXXXXXX".






If you don't find the "isg-Mini-xxxxxxxx" network, please check the Wi-Fi Connection lights:



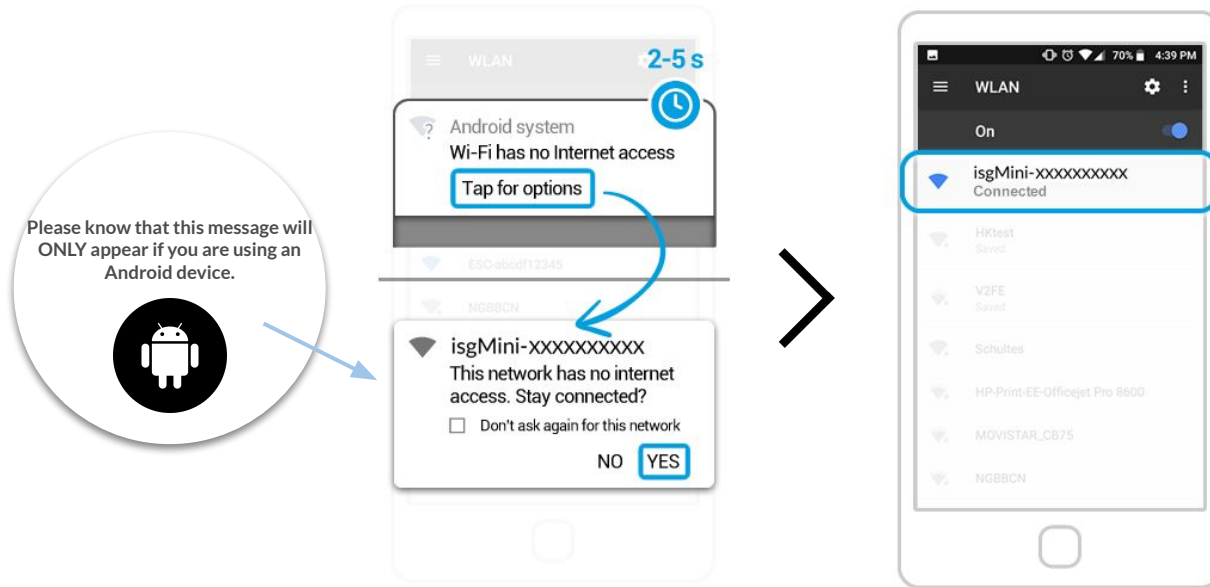
The Wi-Fi light blinks **RED** and **GREEN**.  
Please Reset the device.  
[Go to page 15](#)



The Wi-Fi light blinks another color.  
Please send us an email at:  
[support@ismartgate.com](mailto:support@ismartgate.com)

# PROGRAMMING ISMARTGATE

Connect to the Wi-Fi network generated by the ismartgate device.



A message will "pop-up" indicating the "isg-Mini-XXXXXXXXXX" network does NOT have internet access. Please stay connected to the "isg-Mini-XXXXXXXXXX" network.

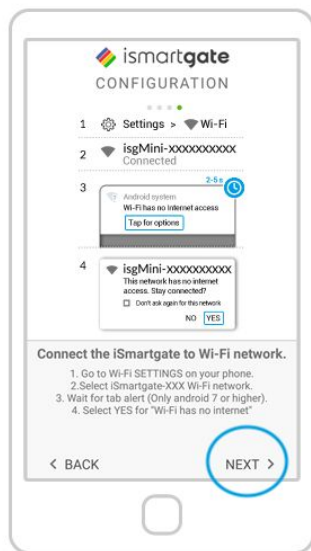
You can check you successfully connected to the "isg-Mini-XXXXXXXXXX" network if you see a message saying "Connected" beneath the network name.

# PROGRAMMING ISMARTGATE

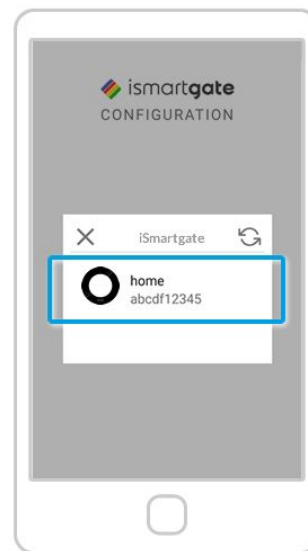
## Find your ismartgate device



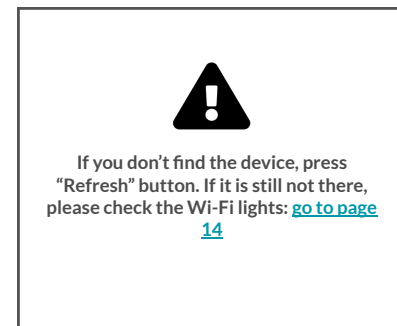
Open the ismartgate access app again.



You will be back to the same step you were before connecting to "isgMini-XXXXXXXXXX" network. Press "Next".



The app will now look for devices to connect. Once found, you will see an icon of your ismartgate device. Click on it.



# PROGRAMMING ISMARTGATE

Configure your ismartgate device and sensor



1. Choose your preferred language
2. Choose the device's name
3. Choose the door's name



Define what door type you have:

1. Garage means you will slide up to open (down to close)
2. Gate means you will slide left to open (right to close)



Choose the Sensor type. Check carefully!

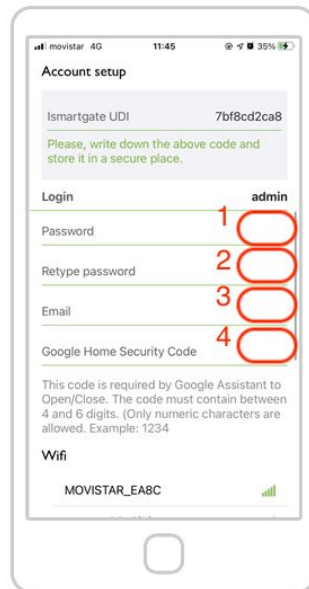


# PROGRAMMING ISMARTGATE

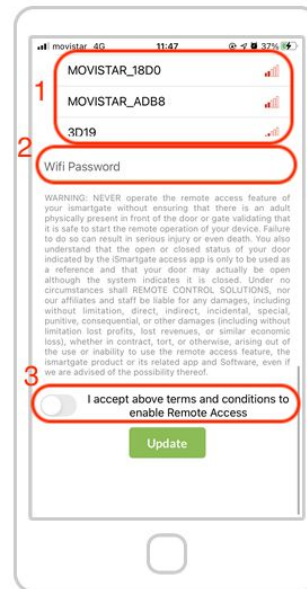
## Configure your ismartgate device



Enter the Sensor ID. Shown on the sticker of the sensor.



1. Choose a password for your admin user (If you leave the app, you will have to enter all details again)
2. Retype your password
3. Type your email address
4. Select a Google Home Security code. *You decide* which one it is, it is *required* even if you will not use Google Home or Assistant



1. Choose the correct Wi-Fi Network (2.4GHz)
2. Enter the Network's password (If you leave the app, you will have to enter all details again)
3. Enable the activation of the remote access
4. Select "Update"



Please, keep in mind that the Remote Access feature takes 10 minutes to be available to use.



# PROGRAMMING ISMARTGATE

## Connection status light



The device is successfully connected to the selected Wi-Fi network and has an internet connection.



The device is successfully connected to the selected Wi-Fi network but does not have an internet connection.



The device has been setup in Access Point mode (Standalone)



Every 10 minutes the device will check automatically if there is an internet connection



The device can't connect to the selected Wi-Fi network (Wi-Fi password might be incorrect) or the Wi-Fi signal is not strong enough

To reset the device  
[go to page 15](#)

# PROGRAMMING ISMARTGATE

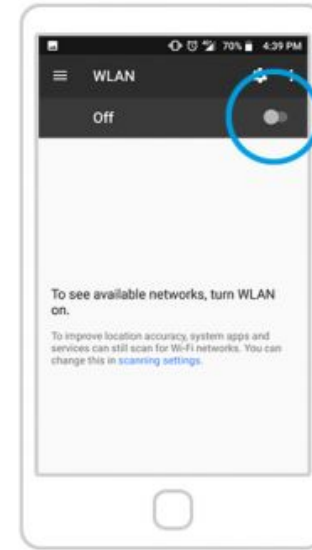
Connect your phone to the same network as the ismartgate



Go to Settings on your phone.



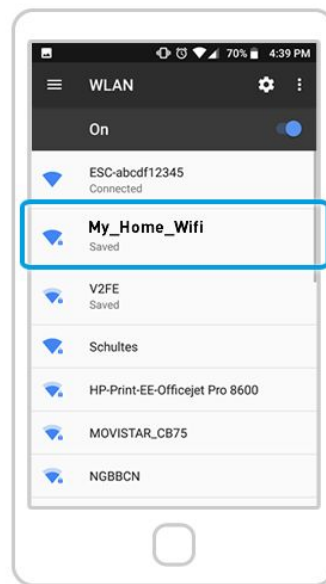
Select "Wi-Fi" (aka. WLAN) Settings.



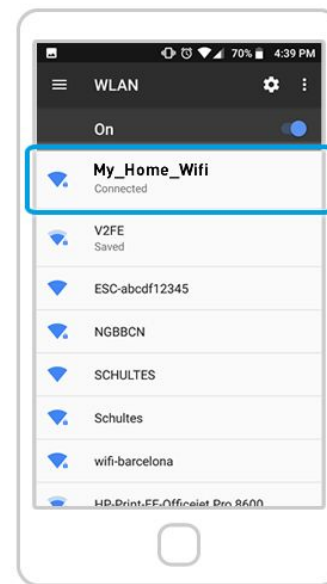
Enable "Wi-Fi" settings on your phone if you haven't done so yet.

# PROGRAMMING ISMARTGATE

Connect your phone to the same network as the ismartgate



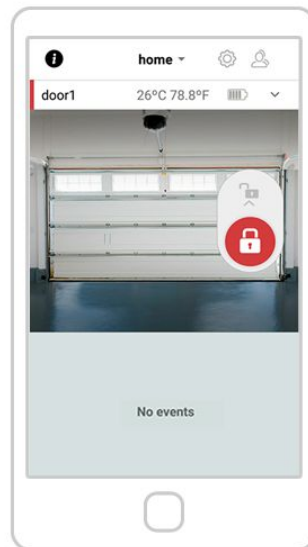
From the list of available Wi-Fi networks, select the one where you already connected your ismartgate device.



Check that you are successfully connected to that network. For that, look for the "Connected" message under the network name.

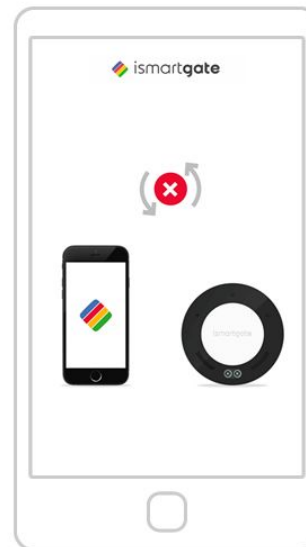
# PROGRAMMING ISMARTGATE

## Final connection to the ismartgate



If you see the above screen, your ismartgate is successfully connected to your WiFi network.

[Please go to Page 32](#)

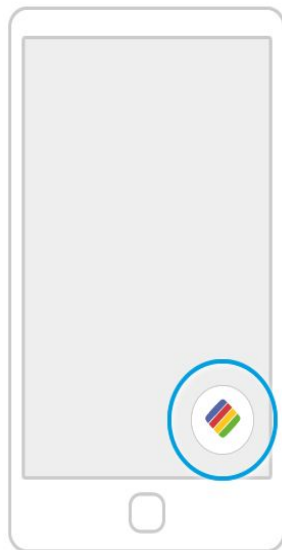


If you see the above picture, it means the ismartgate is not connecting to your smartphone.

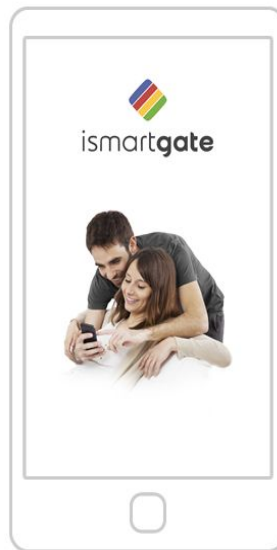
[Please go to Page 15](#)

# PROGRAMMING ISMARTGATE

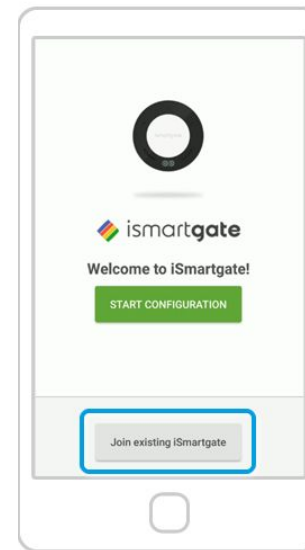
Connect to an already configured ismartgate device (Wi-Fi light steady **GREEN**)



On your phone, look for the logo of the ismartgate app and click on it to open the app



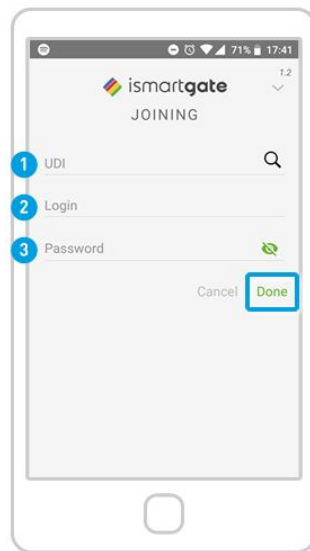
Wait for the introductory screen to go away.



Press "Join existing".

# PROGRAMMING ISMARTGATE

Connect to an already configured ismartgate device



Contact to your ismartgate Administrator  
to ask for:

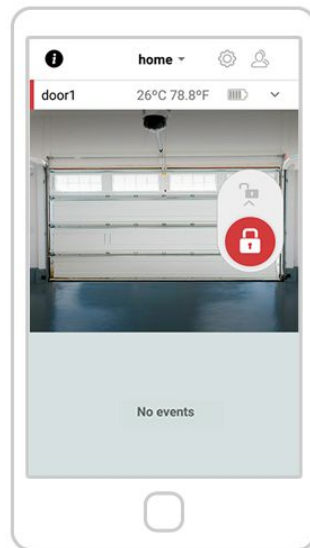
- 1) UDI
- 2) Login
- 3) Password

Once you have these credentials, press  
"Done".

Wait for your phone to connect with  
your ismartgate.

# PROGRAMMING ISMARTGATE

Final connection to the ismartgate already configured



If you see the above screen, your ismartgate is successfully connected to your WiFi network.

[Please go to Page 32](#)



If you see the above picture, it means the ismartgate is not connecting to your smartphone.

[Please go to Page 15](#)

# INSTALLING ISMARTGATE

## GARAGE INSTALLATION



### GARAGE DOOR OPENER

We recommend wiring the ismartgate directly to your Garage Door Opener if you don't have push buttons or if power outlets aren't close to push buttons.

[Go to Page 33](#)



### GARAGE WALL PUSH BUTTON

We recommend wiring the ismartgate to your wall mounted push button if you have power outlets nearby (less than 30 inches / 1 meter)

[Go to Page 35](#)





# INSTALLING ISMARTGATE

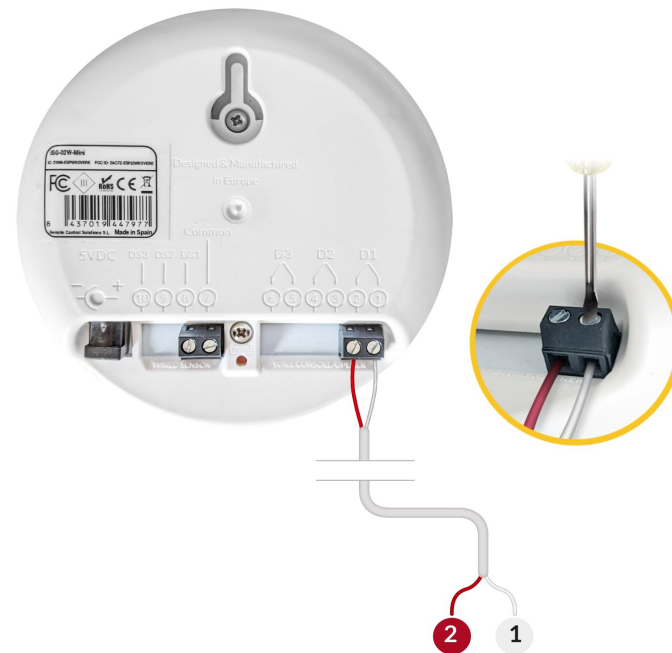
## GARAGE MOTOR INSTALLATION



x1

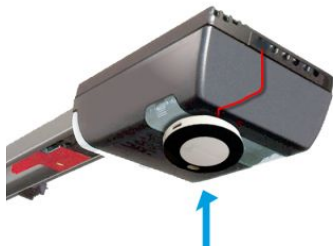
### GARAGE DOOR OPENER

Installation for 1  
Door

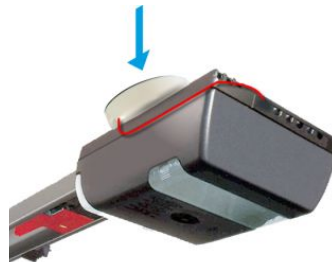


# INSTALLING ISMARTGATE

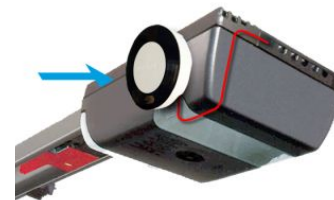
## GARAGE MOTOR PLACEMENT AND INSTALLATION



UNDER THE MOTOR



ON TOP OF THE MOTOR



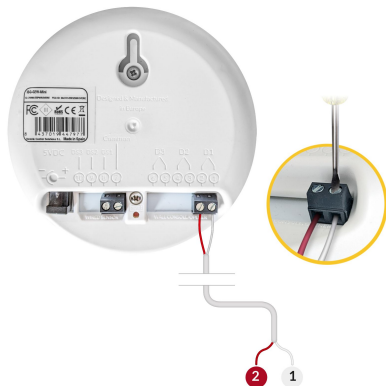
ON THE SIDE OF THE MOTOR



To know how to connect the ismartgate to your specific motor,  
please go to the Compatibility Checker: <https://ismartgate.com/compatibility-checker/>

# INSTALLING ISMARTGATE

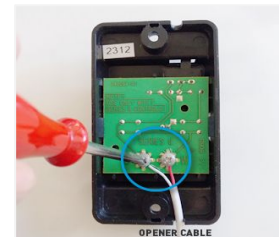
## PUSH BUTTON INSTALLATION



Installation for 1 Door



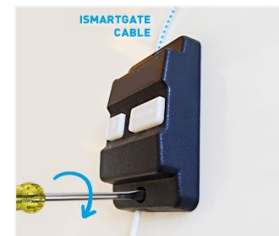
Unscrew the push button from the wall.



Unscrew (not completely) the 2 screws from your opener.



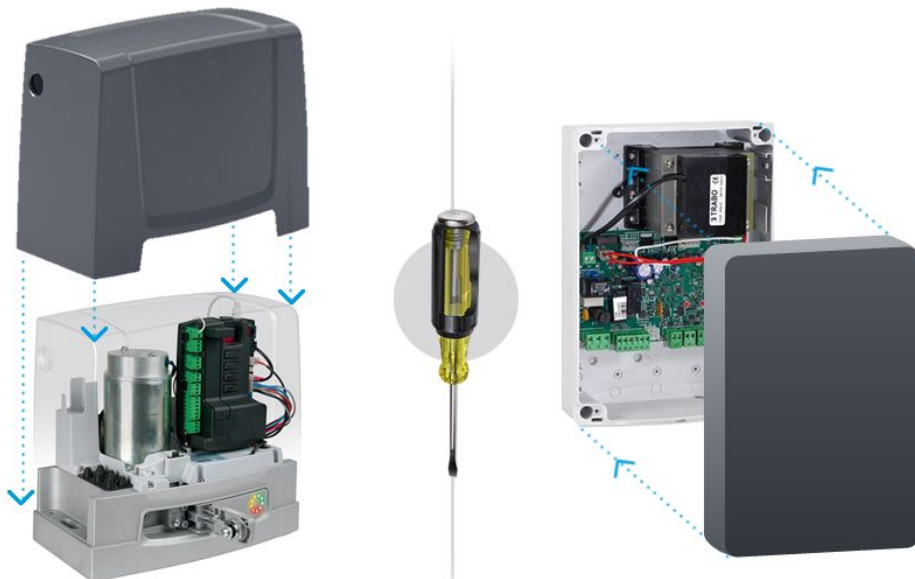
Wire the ismartgate outputs to the screws on your push button. Polarity does NOT matter. Then screw again.



Screw your push button back.

# INSTALLING ISMARTGATE

## GATE MOTOR INSTALLATION

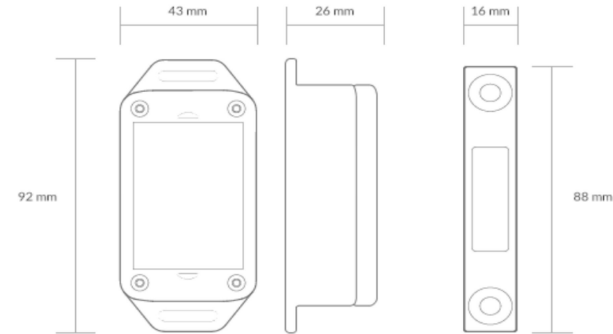


if your ismartgate does not fit inside the gate operator / control box, we strongly recommend to put the ismartgate device inside an ismartgate IP waterproof enclosure

To know how to connect the ismartgate to your specific motor, please go to the Compatibility Checker: <https://ismartgate.com/compatibility-checker/>

# ISMARTGATE WIRELESS SENSORS

## ISMARTGATE WIRELESS MAGNETIC SENSOR (GWS) INCLUDED IN THE GATE KIT

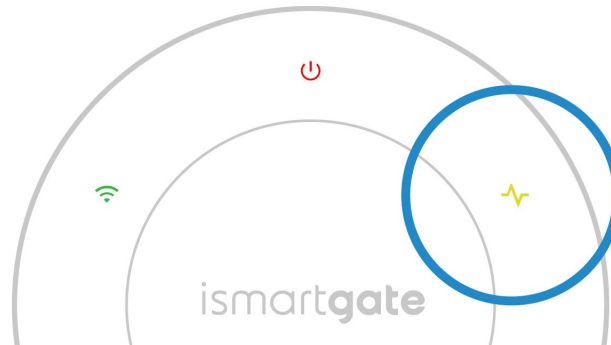
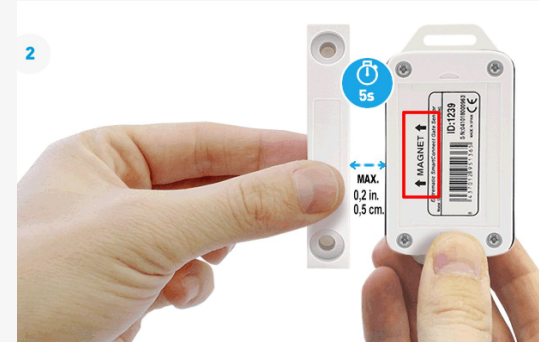
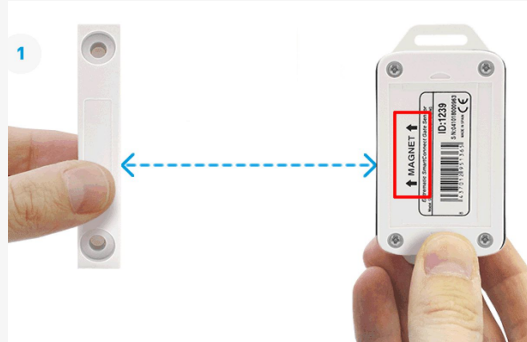


**Transmitter:** 2401 Mhz  
**Type:** Magnet  
**temperature indicator:** included  
**Range:** 50 ft  
**Operating temperature:** -25°C / 70°C  
**Batteries:** 2x Type-N (1.5V)  
**Life span:** 18 months  
**Waterproof:** Yes

# ISMARTGATE WIRELESS SENSORS

## ISMARTGATE WIRELESS MAGNETIC SENSOR (GWS) INCLUDED IN THE GATE KIT

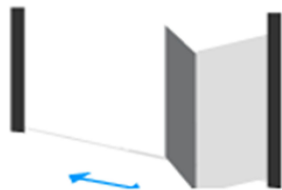
Test the sensor:  
move the sensor as the  
images above and see if the  
ismartgate status light  
(yellow) blinks rapidly



# INSTALLING ISMARTGATE SENSORS

## COMPATIBLE GATES WITH THE GWS SENSOR

### FOLDING



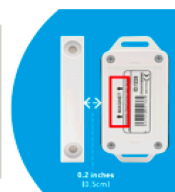
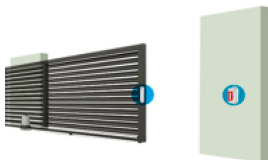
#### SENSOR PLACEMENT:



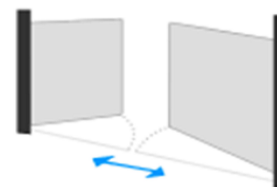
### SLIDING



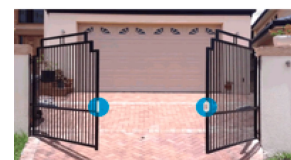
#### SENSOR PLACEMENT:



### SWING



#### SENSOR PLACEMENT:



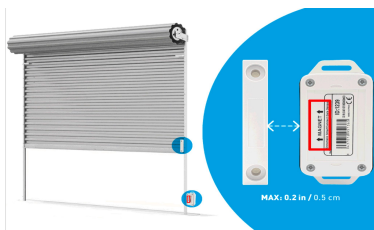
# INSTALLING ISMARTGATE SENSORS

## COMPATIBLE GARAGE DOORS WITH THE GWS SENSOR

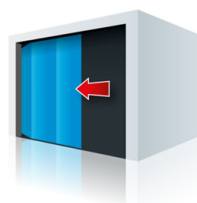
### ROLLER



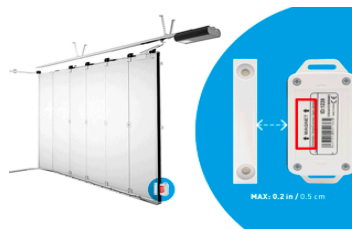
#### SENSOR PLACEMENT:



### SIDE-SECTIONAL



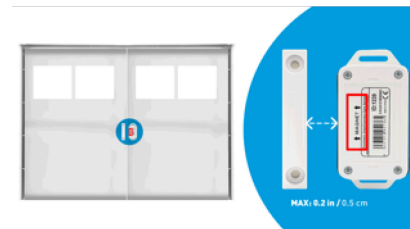
#### SENSOR PLACEMENT:



### SWING



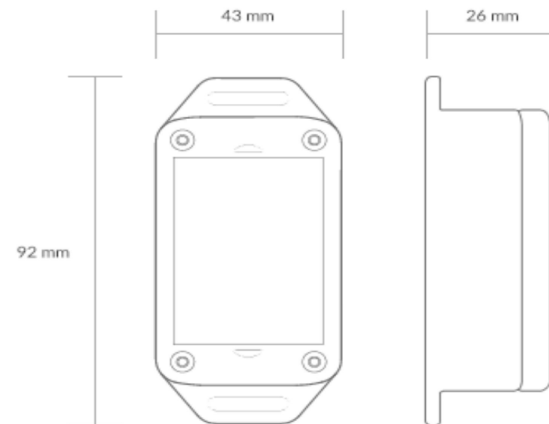
#### SENSOR PLACEMENT:





# ISMARTGATE WIRELESS SENSORS

## ISMARTGATE WIRELESS TILT SENSOR (TWS) INCLUDED IN THE GARAGE KIT

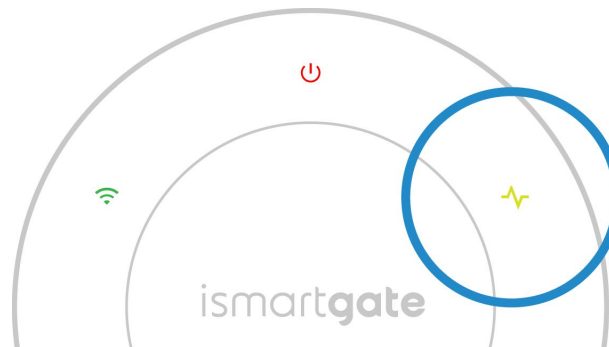
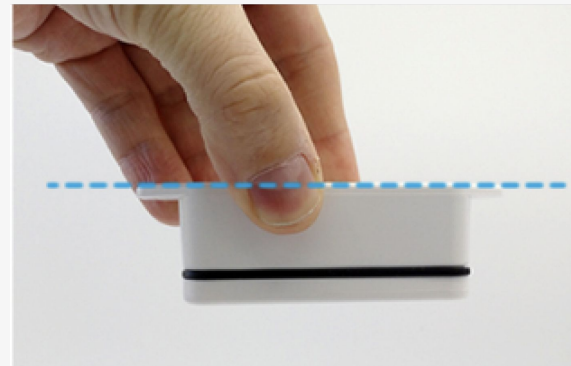
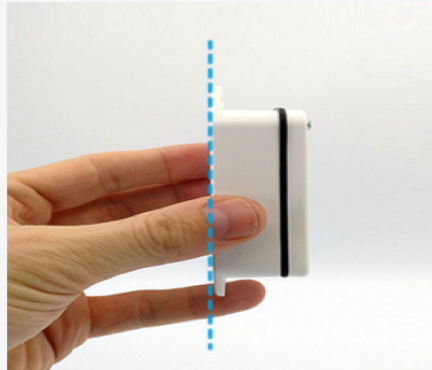


**Transmitter:** 2401 Mhz  
**Type:** Gravity Sensor  
**temperature indicator:** included  
**Range:** 50 ft  
**Operating temperature:** -25°C / 70°C  
**Batteries:** 2x Type-N (1.5V)  
**Life span:** 18 months  
**Waterproof:** Yes

# ISMARTGATE WIRELESS SENSORS

ISMARTGATE WIRELESS TILT SENSOR (TWS) INCLUDED IN THE GARAGE KIT

**Test the sensor:**  
move the sensor as the  
images above and see  
if the ismartgate  
status light (yellow)  
blinks rapidly



# INSTALLING ISMARTGATE SENSORS

## COMPATIBLE GARAGE DOORS WITH THE TWS SENSOR

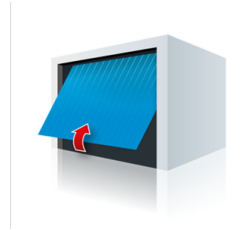
### ROLLER



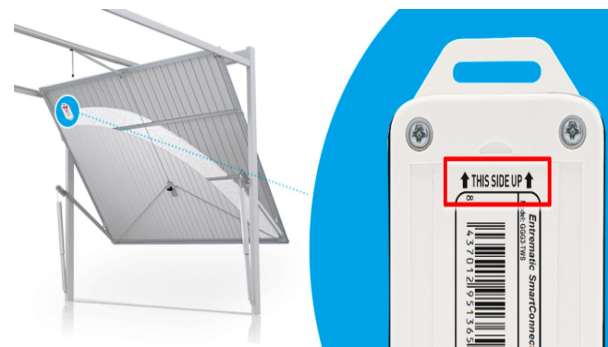
SENSOR PLACEMENT:



### SIDE-SECTIONAL



SENSOR PLACEMENT:



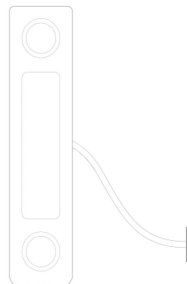
# INSTALLING ISMARTGATE SENSORS

ISMARTGATE WIRED MAGNETIC SENSOR (WDS) INCLUDED IN THE MINI WIRED KIT



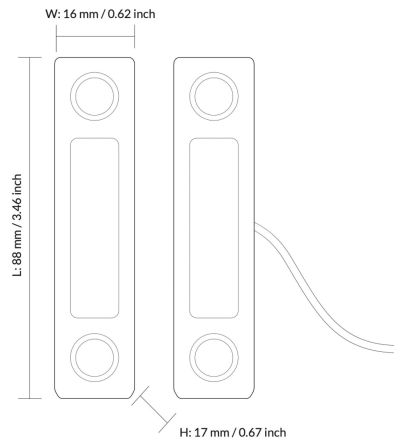
**A**

Place this part on the  
Gate / Garage Door



**B**

Place this part on  
the wall



COMPATIBLE ONLY WITH

ismartgate **PRO** mini

**Output:** Normally Open (NO)

**Max. switching voltage:** 100V dc

**Max. contact rating:** 10W

**Max. switching current:** 0.5A

**Max. carrying current:** 1.0A

**Temperature:** -20°C / 80°C

**Material:** ABS

**Contact life:** 1x10<sup>8</sup>

**Waterproof:** Yes - IP65

**Cable gauge:** 24# AWG (2 cables)

Sensor connection  
instructions for the  
ismartgate MINI:

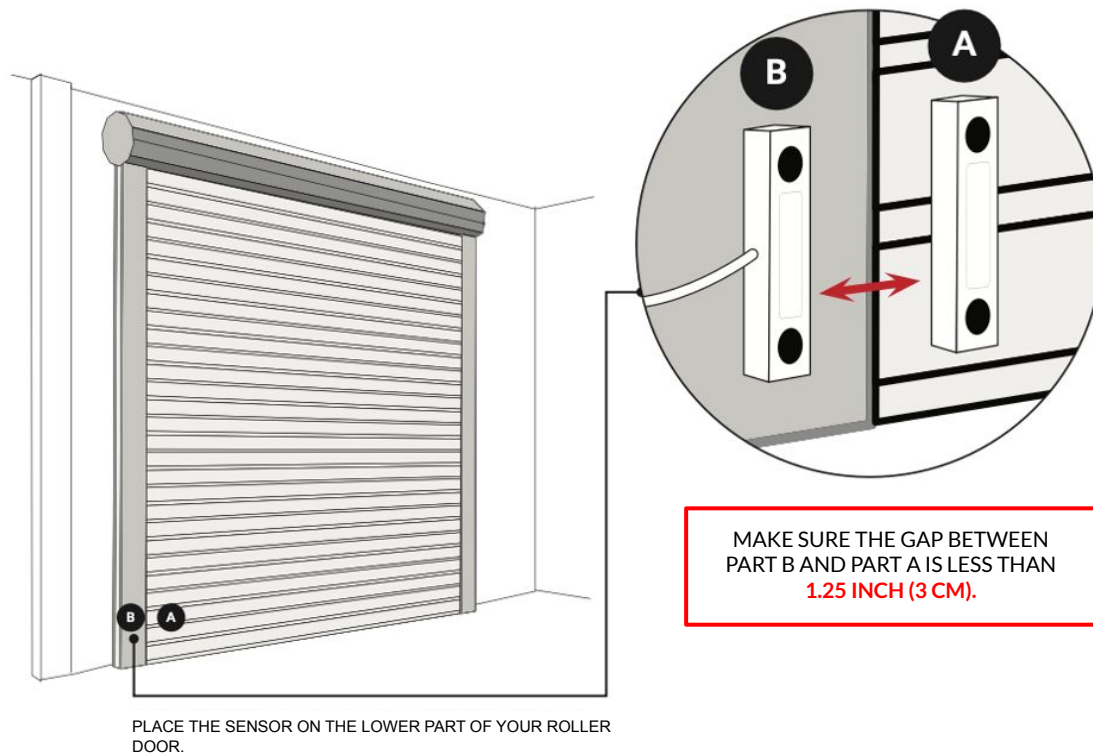


# INSTALLING ISMARTGATE SENSORS

## ISMARTGATE WIRED MAGNETIC SENSOR PLACEMENT ON A ROLLER GARAGE DOOR

### A) Installation on a Roller Door

Attach your magnetic wired sensors to your roller door as per drawing below.

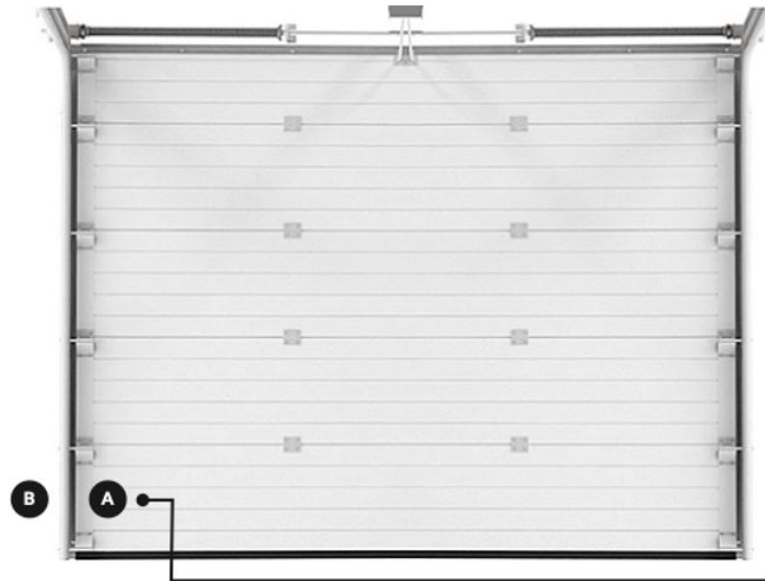


# INSTALLING ISMARTGATE SENSORS

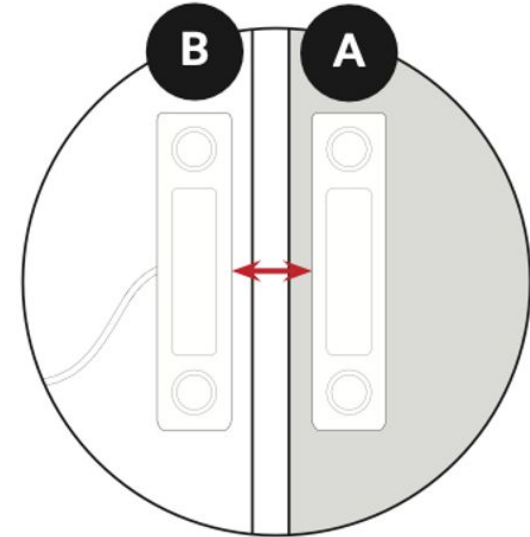
## ISMARTGATE WIRED MAGNETIC SENSOR PLACEMENT ON A SECTIONAL GARAGE DOOR

### B) Installation on a Sectional Door

Attach your magnetic wired sensors to your Sectional Door as per drawing below.



PLACE THE SENSOR IN THE SECTION AT THE BOTTOM OF YOUR DOOR.



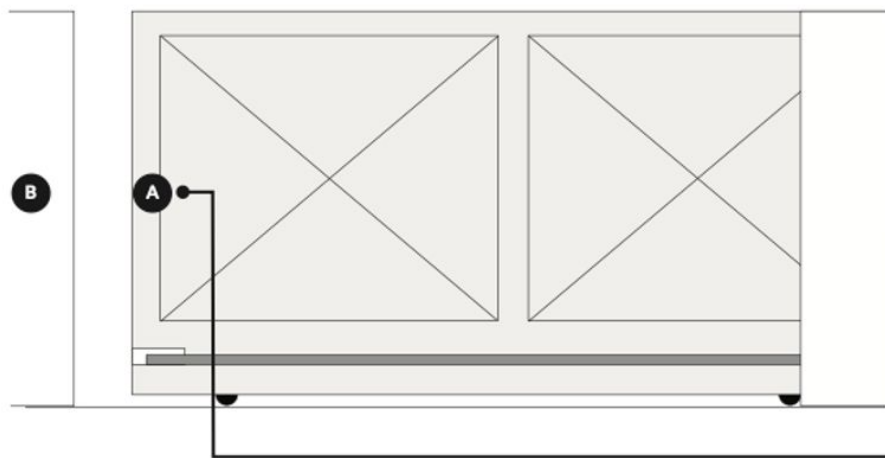
MAKE SURE THE GAP BETWEEN  
PART B AND PART A IS LESS THAN  
**1.25 INCH (3 CM).**

# INSTALLING ISMARTGATE SENSORS

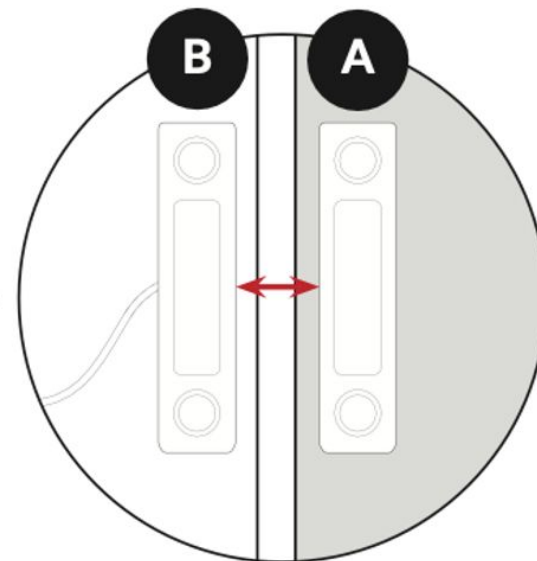
## ISMARTGATE WIRED MAGNETIC SENSOR PLACEMENT ON A SLIDING GATE

### C) Installation on a Sliding Gate

Attach your magnetic wired sensors to your sliding gate as per drawing below.



PLACE THE SENSOR IN THE MIDDLE PART OF YOUR SLIDING GATE.



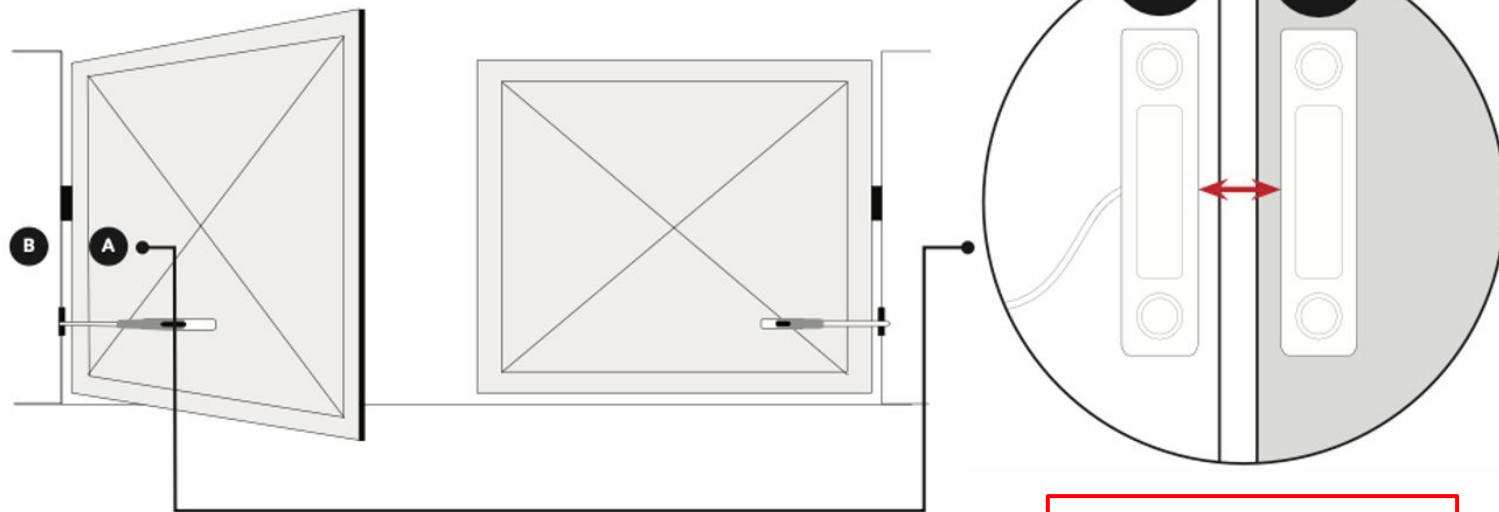
MAKE SURE THE GAP BETWEEN  
PART B AND PART A IS LESS THAN  
**1.25 INCH (3 CM).**

# INSTALLING ISMARTGATE SENSORS

## ISMARTGATE WIRED MAGNETIC SENSOR PLACEMENT ON A SWING GATE

### D) Installation on a Swing Gate

Attach your magnetic wired sensor to your swing gate as per drawing below.



PLACE THE SENSOR IN THE MIDDLE PART OF YOUR SLIDING GATE.

MAKE SURE THE GAP BETWEEN  
PART B AND PART A IS LESS THAN  
**1.25 INCH (3 CM).**





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**CONGRATULATIONS!**

Your installation is done.

[www.ismartgate.com](http://www.ismartgate.com)