EM6582 e-Domotica Motion Sensor

English manual

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Table of contents

1.0 Introduction

Congratulations with the purchase of this high-quality e-Domotica product! This product has undergone extensive testing by e-Domotica technical experts. Should you experience any problems with this product, you are covered by a five-year e-Domotica warranty. Please keep this manual and the receipt in a safe place.

1.1 Functions and features

The EM6582 e-Domotica Motion Sensor is the ideal product to secure your home wirelessly. Use one or more motion sensors to detect any motion in your living room, bed room, kitchen, hallway, garage or office at home.

When motion is detected, the motion sensor will send a wireless signal to the e-Domotica base station, the e-Domotica e-Centre. The e-Centre can fire the alarm and

trigger the EM6575 e-Domotica Siren for example. Or notify you via the online e-Domotica Portal by phone, text message or email.

It is also possible to use the EM6582 for more comfort at home, for example to switch on lighting automatically when you enter a room. When no motion is detected anymore, the lights can also be switched off automatically, or switched off automatically after several (preset) minutes). Save energy and reduce your energy bill.

1.2 Packing contents

The following parts need to be present in the packing:
• EM6582 e-Domotica Motion Sensor
• Manual
• Double sided adhesive tape
• Screws and plugs
• Battery (CR2 3.0V 800 mAh Lithium)

2.0 Install the battery

Before you can use the motion sensor, the battery needs to be installed.

Follow these steps:
1. Unpack the motion sensor and the battery.
2. Unscrew the back panel from the motion sensor. The screw is located at the bottom of the device.
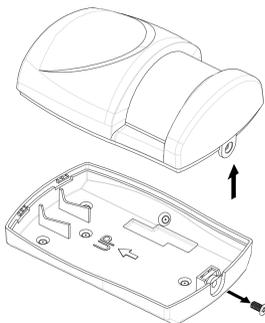3. Carefully remove the back panel, see the next drawing.

Image 1. Opening the motion sensor

4. Place the battery in the compartment. The positive side to the left, the negative side to the right when the compartment is located at the top of the device.
5. Leave the housing open, because you need the button to include the motion sensor later.
6. The motion sensor will now warm up for 2 minutes

7. The LED of the motion sensor (located behind the detection window) will blink every 5 seconds to let you know it is ready to include.

The expected battery lifetime is about 1 year with normal conditions. If the battery level is too low, the LED behind the detection window will blink (with a 30 seconds interval).

3.0 Add the motion sensor to your e-Domotica e-Centre

Add the wireless EM6582 e-Domotica Motion Sensor to your e-Centre using the following steps.

Tips:
If you already use 230V powered e-Domotica accessories, you are able to include the motion sensor on the location where the motion sensor needs to be mounted. The benefit of doing this is that the e-Domotica accessories learn the communication route to the e-Centre directly.

You might need to enable 'Normal/High power' (below the 'Include' button). This option is available to include devices on a greater distance.

1. Make sure your computer is completely started.
2. Open your computer's web browser.
3. Enter "http://ecentre" in the address bar of your web browser and press the 'Enter' key on your keyboard.
4. The webpage of the e-Centre will be shown.
5. Go to the 'e-Domotica Products' page.
6. Click the 'Include' button. The e-Centre will start to search for new e-Domotica devices.
7. Press on the button of the motion sensor three times within 1.5 seconds. The button is located on the backside of the motion sensor, see the image below.
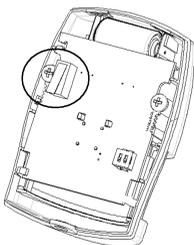

Image 2. Backside of the motion sensor

8. The e-Centre webpage will inform you if the product is found.

If the product is not found, click the 'Remove' button on the webpage. Press the button on the motion sensor three times within 1.5 seconds to exclude/empty the device. You can now include the device again using the steps above.

9. Provide a name and location for the device and click 'Save'.
10. The EM6582 is now added to your e-Centre and can be used.
11. Screw the back panel on the motion sensor.

Mounting the motion sensor is explained later in this manual.

4.0 Setup an absence alarm or night alarm

You can use this motion sensor for one or more alarm groups. In this chapter the motion sensor is added to an absence alarm.

Settings

Alarm name   **Absence alarm**

PIN settings to arm this alarm group.
☑ Enable PIN code to activate this alarm group.
[Change PIN code]

Alarm sensors
Select one or more sensors from the list below, to be used in this alarm group.

Sensor	Entry/Exit	Type
☐ Motion Sensor	☐	e-Domotica Motion Sensor

Alarm events

Alarm event	Scene
Alarm not available	No scene
Alarm armed	No scene
Alarm fired	No scene
Alarm disarmed	No scene
Entry time	No scene
Exit time	No scene

Time settings

Entry time	30	Seconds
Entry sound	Sound 1	
Entry sound interval	2	Seconds
Exit time	30	Seconds
Exit sound	Sound 2	
Exit sound interval	2	Seconds

Siren settings

Siren sound	Sound 5	
Siren sound duration	3	Minutes
Siren count	3	

e-Domotica Portal settings
☑ Connect this alarm to the e-Domotica portal, to notify contact persons and/or record a video stream when using an e-Domotica IP camera.

[Save] [Cancel]

Image 3. Absence alarm settings

1. Click on 'Alarm Settings' in the menu.
2. Click 'Edit' to setup or change the settings of the absence alarm.
3. First setup the PIN settings for this alarm.
   a. By default a PIN code 1234 is enabled using the alarm. In certain situations, you do not want to use a PIN code, so you can disable this by clicking on the checkbox. For most situations, this is not recommended.
   b. You can change the PIN code by clicking on 'Change PIN'. A new page will appear. First enter the 'Old PIN' (1234 by default), then enter the 'New PIN'. Confirm the new PIN code in the field 'Repeat PIN'. Click 'Save' to save the settings and automatically go back to the previous page.
4. Select the Alarm Sensors. You can select one or more sensors to be used in for this absence alarm.
5. Determine which sensors will be mounted in an entry and/or exit route from outside your house to the e-Centre screen.
   For example if you are going to mount the e-Centre in your living room and have a door sensor on the front door and back door together with a motion sensor in the living room, you should enable these sensors, because these sensors are located in the route to the e-Centre.
   a. Sensors with the option 'Entry/Exit' enabled will trigger the entry time and exit time first before firing the alarm. Enable this option for sensors used on the ground floor.
   b. Sensors without the option 'Entry/Exit' enabled will fire the alarm directly. Use this for sensors used on a second or third floor for example.
6. Set one or more Alarm Events. You can let the e-Centre execute a selected scene on one of the alarm events. Below a list of the events and a example
   a. Alarm not available: If you want the e-Centre to execute a scene if the alarm is not available, select the desired scene.
   b. Alarm armed: Once the alarm is armed the e-Centre can execute the scene 'All off' to switch off all lights, for example.
   c. Alarm fired: Once the alarm is fired the e-Centre can execute the scene 'All on', to switch on all lights to scare off the intruder.
   d. Alarm disarmed: If you disarm the alarm (by entering the correct PIN code) the e-Centre will execute this scene.
   e. Entry time: During the entry time the e-Centre can execute this scene. For example, use a scene to enable the lights in your hallway. This allows you to find your way to the e-Centre when entering your house.
   f. Exit time: During the exit time the e-Centre can execute this scene. For example, use a scene to enable the lights in your hallway. This allows you to find your way to the door when exiting your house.
7. Set the time settings.
   a. Entry Time: This is the time in seconds you need to enter your house from the (front) door to the e-Centre and to disable the alarm. It is

recommended to check this carefully and to try this setting once it has been set. If necessary change the setting to your desire.

b. Entry Sound: The e-Centre will play the selected sound on entering your house. Click on the sound button () to hear the selected sound.

c. Entry Sound Interval: This is the interval the e-Centre should use to play the Entry Sound.

d. Exit Time: This is the time in second you need to exit your house, from the e-Centre to the (front) door, once you have entered the PIN code. It is recommended to check and try this setting once it has been set. If necessary change the setting to your desire.

e. Exit Sound: The e-Centre will play the selected sound when exiting your house. Click on the sound button () to hear the selected sound.

f. Exit Sound Interval: This is the interval the e-Centre should use to play the Exit Sound.

8. Set the Siren Settings.

a. Siren Sound: The e-Centre will play the selected sound when the alarm is fired. This concerns the internal siren of the e-Centre 2. Click on the sound button () to hear the selected sound.

b. Siren Sound Duration: This is the time (in minutes) the e-Centre should play the Siren Sound.

c. Maximum number of Siren Count: This is the maximum number of times the Siren should play.

9. Set the e-Domotica Portal settings, if your e-Centre is (to be) connected to the portal. This enables you to contact yourself and/or contact persons when this alarm is fired.

10. Click 'Save' to save the settings, you will automatically return to the previous page.

5.0 Setup your personal alarm system using the e-Domotica Portal.

The EM6582 Motion Sensor can be used with the e-Domotica Portal. This allows you to notify yourself and other contact persons, once the absence alarm is fired.
This option is only possible if your e-Centre is connected to the internet and registered on the portal. Also, you need to have added at least one (1) contact person for reference.

1. Log in to the portal with your username and password.
2. Click in the left menu on the option 'Alarm setup'.
3. Click on the "Change" button ( ) at the right hand-side of the absence alarm.
4. The following options appear: "Contact persons", "Notifications" and "Assign camera". Refer to the following image:

Image 4 Edit absence alarm settings on the e-Domotica Portal

5.1 Adding contact persons

When you have added one or more contact persons during the first setup of your e-Centre (refer to the manual of the EM6505, these contact persons are noticed here.

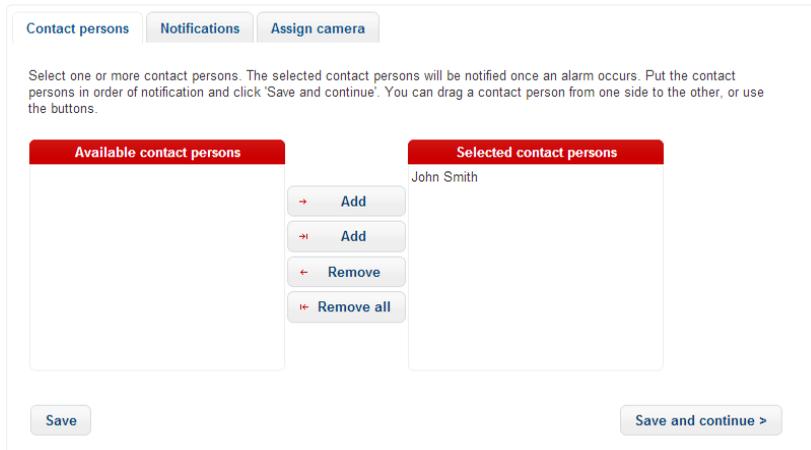Refer to the following image for an example:

Image 5 Select contact persons

Select one or more contact persons under 'Available contact persons' and use the 'Add' button to change them to the right side, under "Selected contact persons". You can also drag and drop the contact persons from left to right and in reverse, using your mouse.

Click 'Save and continue'.

5.2 Setup notifications to Contact persons

On this tab, you can decide in which ways the contact persons may be notified, in case an alarm is fired. Refer to the following image for an example:

Title	Firstname	Sur name	Phone	Mobile/SMS	Email
Mr	John	Smith	✔	✔	✔

Image 6. Setup notifications

Check the options you want to use for the contact person(s). In this example, Mr. John Smith will be notified by phone, SMS and email.

Click 'Save and continue'.

5.3 Assigning a camera to the Absence alarm

On this tab, you can assign an e-Domotica camera to the Absence alarm. Refer to the following image for an example:

Alarm group: Absence alarm

Camera: EM6561R1 - Backdoor

Image 7 Assign a camera to the absence alarm

When the absence alarm is fired, the e-Centre will send the recorded images from the selected camera to the e-Domotica Portal. These images will be stored on the e-Domotica Portal, under the tab 'Recordings' in the left menu. This way, you can check instantly if the alarm notification is real or maybe false.

Select the camera in the dropdown menu.

Click 'Save and finish' to save your configuration and finish the wizard.

In the manual of the EM6505, assigning a e-Domotica IP camera to the e-Centre is fully explained.

6.0 Mounting the EM6582 Motion Sensor

You can choose to mount the motion sensor using the enclosed double sided adhesive tape or you can use the screws and plugs.

If you are going to use the adhesive tape, make sure the mounting surface is clean (no grease or dust). If the motion sensor should loosen from the wall a false alarm might occur.

6.1 Choosing the mounting location

Before mounting the motion sensor, please consider the possibilities and images shown in this chapter.

6.1.1 Mounting height

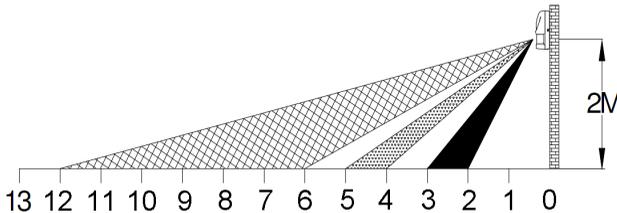
2M

13 12 11 10 9 8 7 6 5 4 3 2 1 0

Image 8. Mounting height and distance of the motion sensor

It is recommended to mount the motion sensor between 1.8 and 2 meters high. This height allows the sensor to have the greatest range. Up to 9 meter and 110 degrees (using the highest position on the main board)
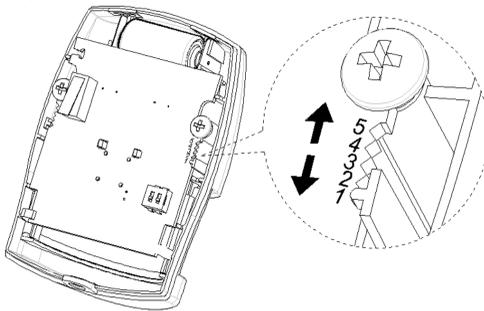

Image 9. Set detection range

The range of the motion sensor can be set from 3 to 9 meters. The main board of the motion sensor has 5 notches to set the detection range. Set to notch 5 to have the largest range up to 9 meters. Notch 6 is about 3 meters. Notch 1 is about 3 meters. Recommended is notch 5.

6.1.2 Mount into a corner

The best position to mount a motion sensor in is into a corner or sideways to detect the route of the burglar walking sideways through the detection area. Motion sensors detect more with sideway movements compared to approaching movements.
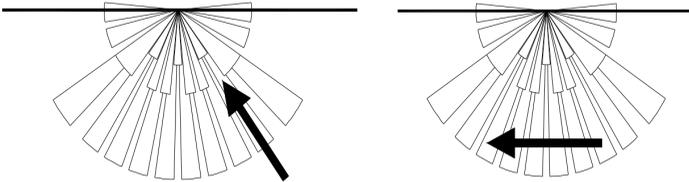

Image 10. Left side is less sensitive, right side is most sensitive

6.1.3 Other points to consider

- Mount the motion sensor not towards windows (with direct sunlight). Motion sensors are not suitable in a conservatory.
- Do not mount the motion sensor in view of a fan.
- Do not mount the motion sensor above a source of heat (fire, heating system, boiler).
- Do not mount the motion sensor on a vibrating surface .
- Mount the motion sensor within the range of the e-Domotica e-Centre or 230V powered accessories functioning as a repeater (switch or dimmer for example).
- When mounting, consider curtains, blinds or other moving objects which may cover the motion sensor and disabling the detection area.
- The motion sensor can detect pets. Make sure that pets are not in the detection area when arming the alarm.

6.2 Mounting the motion sensor

After deciding where to mount the motion sensor based on the information from the previous chapter, you can now begin to mount the sensor. Remove the back panel from the front part (if mounted back together again).

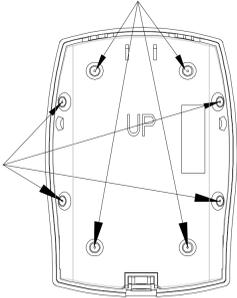The back panel of the motion sensor has 8 screw holes for sever mounting positions. See the image below.

Image 11. Screw holes to mount the motion sensor

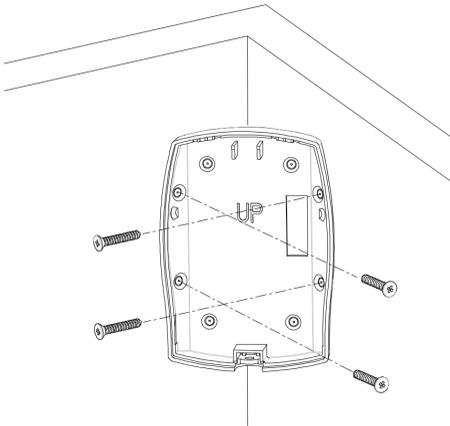When mounting into a corner of a room, use the 4 holes as displayed below:

Image 12. Screw holes when mounting into a corner

Some tips for the installation
1. Decide which holes you need to use to screw the back panel of the motion sensor to the wall. Open the holes using a 3mm drill.
2. Use the back panel as a template to mark the drilling holes.
3. If necessary, drill a hole into the wall using a 5mm drill, mount the plug into the hole.
4. Screw the back panel onto the wall using the enclosed screws. Not too tight to avoid damage to the back panel.
5. Mount the motion sensor to the back panel using the screw and screw hole at the bottom of the housing.

7.0 Test the motion sensor

Now that the motion sensor has been mounted you can test and use it. Take notice of the following.

7.1 Detection display on the e-Centre screen, Mweb and the e-Domotica app

You can check if motion has been detected on the e-Centre screen, Mweb web page and the e-Domotica app using your smart phone or tablet.

Go to 'Devices', go to the location of the motion sensor and check the following.

Green: No detection/OK

reception	detection	battery
●	●	90%

Red: Detection/Not OK

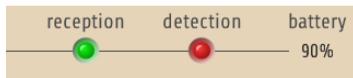| reception	detection	battery
●	●	90%

Image 13. Detection shown on screen

Attention. After having detected motion, the motion sensor will go to a sleep state for 180 seconds. Movements during this period will not be detected and not be reported to the e-Centre. This improves the battery lifetime.

7.2 Test the alarm

To test the alarm properly the mounting location of the motion sensor need to be without any movement (for at least 180 seconds). Then press the button of the alarm you want to arm. Enter the PIN code and press OK. The alarm is being armed. Wait until the exit time has expired and walk into the room/location to trigger the alarm. The alarm will be fired and the entry time started (depending on the settings).

You can now choose to disable the alarm using your disable PIN code or to continue this alarm to check if phone calls or text messages are received via the e-Domotica Portal.

8.0 Frequently Asked Questions

The latest frequently asked questions for your product can be found on the support page of your product. e-Domotica will update these pages frequently to assure you have the most recent information. Visit http://www.e-domotica.com/en/tips-and-advice for more information about your product.

9.0 Service and support

This users manual has been carefully written by e-Domotica technical experts. If you have problems installing or using the product, please fill out the support form at the website http://www.e-domotica.com/en/customer-service.

You can also contact us by phone. Below you will find a list with phone numbers for each supported country.

Country	Phone number	Rate per minute*
Belgium (Dutch)	070 277 286	€0.30
Belgium (French)	070 277 286	€0.30
Denmark	+45 69918565	Local costs
Finland	+35 8942415826	Local costs
Germany	+49 (0)30 887 89 298	Local costs
Italy	+39 0240042016	Local costs
Norway	+47 21075033	Local costs
Spain	807 080 042	€0.41
Sweden	+46 840 309985	Local costs
The Netherlands	0900-3646368	€0.45
UK	+44 (0)203 318 9998	Local costs

* Rates mentioned in this table do not include cell phone charges.

10.0 Warning and points of attention

Due to laws, directives and regulations set out by the European parliament, some (wireless) devices could be subject to limitations concerning its use in certain European member states. In certain European member states the use of such devices could be prohibited. Contact your (local) government for more information about this limitations.

Always follow up the instructions in the manual, especially where it concerns devices which need to be assembled.

Warning: In most cases this concerns an electronic device. Wrong/improper use may lead to (severe) injuries!

Repairing of the device should be done by qualified e-Domotica staff. The warranty immediately voids when products have undergone self repair and/or by misuse. For extended warranty conditions, read the next chapter.

Tip: e-Domotica manuals are written with great care. However, due to new technological developments it can happen that a printed manual does not longer contain the most recent information.

If you are experiencing any problems with the printed manual or you can not find what you are looking for, please always check our website www.e-domotica.com first for the newest updated manual.

Also, you will find frequently asked questions in the FAQ section. It is highly recommended to consult the FAQ section. Very often the answer to your questions will be found here.

11.0 Warranty conditions

The five-year e-Domotica warranty applies to all e-Domotica products unless mentioned otherwise before or during the moment of purchase. When having bought a secondhand e-Domotica product the remaining period of warranty is measured from the moment of purchase by the product's first owner. The warranty applies to all e-Domotica products and parts inextricably connected to and/or mounted on the main product. Power supply adapters, batteries, antennas and all other products not integrated in or directly connected to the main product and/or products of which, without reasonable doubt, can be assumed that wear and tear show a different pattern than the main product are not covered by the e-Domotica warranty. Products are not covered by the warranty when subjected to incorrect/improper use, external influences and/or when opened by parties other than e-Domotica.

12.0 Declaration of Conformity

To ensure your safety and compliance of the product with the directives and laws created by the European Commission you can obtain a copy of the Declaration of Conformity concerning your product by sending an e-mail message to: info@e-domotica.com. You can also send a letter to:

e-Domotica
P.O. Box 123
3770 AC Barneveld
The Netherlands

Clearly state 'Declaration of Conformity' and the article code of the product of which you would like to obtain a copy of the Declaration of Conformity.

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