



EM6590 e-Domotica Smoke Sensor

EM6590 e-Domotica Smoke Sensor

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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

Warn yourself and others at home upon the detection of smoke using this wireless EM6590 e-Domotica Smoke Detector. Get an early warning when a smoke or fire is started from this advanced smoke sensor.

This devices does not only function stand alone (like other smoke sensors), but can also send a wireless signal to the e-Domotica e-Centre base station. This feature

enables the possibility to automatically switch on lighting, close windows, open curtains and activate additional sirens.

When smoke is detected a wireless signal is sent to the e-Domotica e-Centre. The e-Centre will activate the internal siren but also optionally one or more EM6575 e-Domotica sirens and send a signal to the e-Domotica portal to notify yourself and others by phone and text message about the smoke alarm.

1.2 Packing contents

The following parts need to be present in the packing:

- EM6590 e-Domotica Smoke Sensor
- Mounting screws and plugs
- 9V DC Battery, inside battery compartment, remove foil first
- Manual

1.3 Product overview

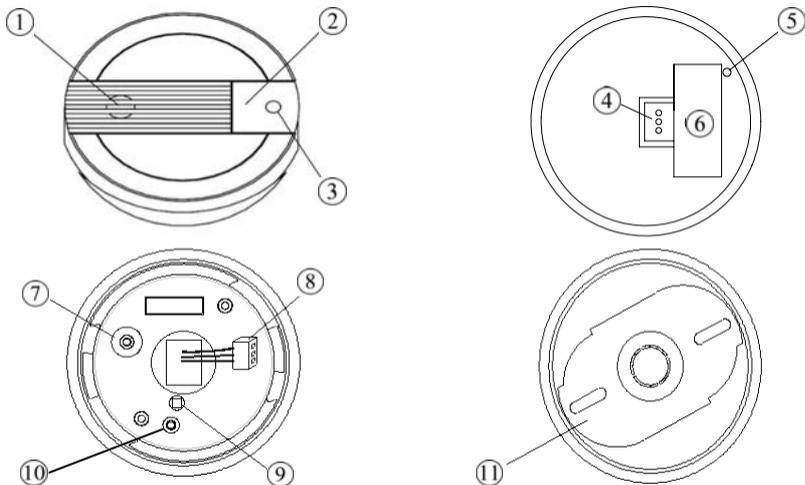


Image 1

1. Internal siren
2. Test button
3. LED
4. Connector
5. Lever for access cover
6. Battery compartment with access cover
7. Add/remove button (include/exclude)

8. Connector with cable
9. Tamper alarm button
10. Mounting bracket

2.0 Installing the battery

The 9V DC battery is located in the battery compartment, but not yet connected.

- Unscrew the top part from the bottom part of the smoke sensor (counter clockwise).
- Unplug the connector cable (be careful).
- Open the battery compartment using the lever (5).
- Take out the battery from the compartment.
- Remove the foil of the battery.
- Connect the battery to the battery connector inside the battery compartment.
- Plug in the cable with connector back on the connector socket. Note the colouring order of the cables:

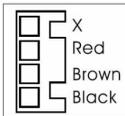


Image 2. Connector colours

- The LED of the smoke detector will lit shortly after the connector is plugged in. Do not close the housing yet.

3.0 Adding the smoke detector to an e-Domotica e-Centre Base Station

You can now add the EM6590 e-Domotica Smoke Detector to your e-Domotica e-Centre base station, follow these steps.

Tips:

If you already use 230V powered e-Domotica accessories, you are able to include the smoke 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.

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3. Enter "http://ecentre" in the address bar of your web browser and press the 'Enter' key on your keyboard. Or go to http://192.168.1.100 if this is the IP address of your e-Centre.
4. The webpage of the e-Centre will be shown.
5. Go to the 'e-Domotica Products' page.
6. Click the 'Add' button. The e-Centre will start to search for new e-Domotica devices.
7. Press on the button of the smoke sensor three times within 1.5 seconds. (See number 7 of Image 1)
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 smoke sensor three times within 1.5 seconds to exclude/empty the device. You can now include the device again using the steps above.

8. Provide a name and location for the device and click 'Save'.
9. The EM6590 is now added to your e-Centre and can be used.
10. Screw the back panel on the smoke sensor.

Mounting the smoke sensor is explained later in this manual

4.0 Setup a Smoke-/Gas alarm

Alarm settings ?

Settings

Alarm name **Smoke/Gas alarm**

Alarm sensors

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

Sensor	Type
<input checked="" type="checkbox"/> Smoke Detector	e-Domotica Smoke Detector

Alarm events

Alarm event **Scene**

Alarm fired **Alles Aan**

Siren settings

Siren sound **Sound 4** 

Siren sound duration **1** Minutes

Siren count **1**

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.

Image 3. Setup a smoke alarm

1. On the e-Centre webpage, click on 'Alarm Settings' in the menu on the left hand side.
2. Click on the edit button next to the Smoke-/Gas alarm.
3. Select one or more smoke sensors for this smoke alarm.
4. Alarm Events: You can use a scene to be triggered upon the detection of smoke. When one or more smoke sensors detect smoke, the selected scene will be triggered. For example, if you have defined a scene called 'All On' which switches all lamps on in your house, you will be able to find your way out of your house once the sensor detects smoke.
5. Siren Settings: The e-Centre has a siren function with several sounds and settings you can change.
 - a. Siren Sound: Select one of the 5 sounds to be played by the e-Centre once this alarm is triggered.
 - b. Siren Sound Duration: Change this setting if you want to have the siren to go off a longer or shorter period (in minutes).
 - c. Maximum number of Siren Count: The number of times the siren should go off.
6. Portal Settings: Enable this option if you want to send a signal to the e-Domotica Portal once a smoke alarm is detected. This allows you to notify yourself and/or contact persons about the smoke alarm. This option is only possible if your e-Centre is connected to the internet and registered on the portal.
7. Click 'Save' to save the settings. You will return to the previous page automatically

Note! If you use a gas detector: Executing a scène to switch on appliances and lighting may cause a spark and explosion hazard. Therefore it is not recommended to switch lighting or devices when both smoke and gas detectors are used.

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

The EM6590 Smoke Sensor can be used with the e-Domotica Portal. This allows you to notify yourself and other contact persons, upon the event of smoke or fire. 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 e-Domotica portal with your username and password.
2. Click in the menu on the left hand side on the option 'Alarm setup'.
3. Click on the "Change" button () at the right hand-side of the smoke alarm.
4. The following options appear: "Contact persons", "Notifications" and "Assign camera". Refer to the following image:

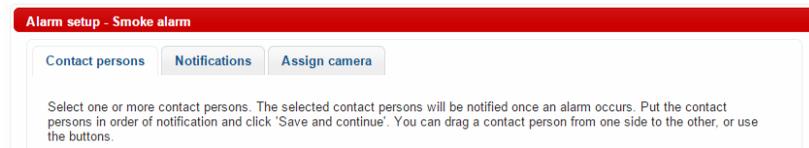


Image 4. Edit smoke alarm settings on the e-Domotica Portal

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:

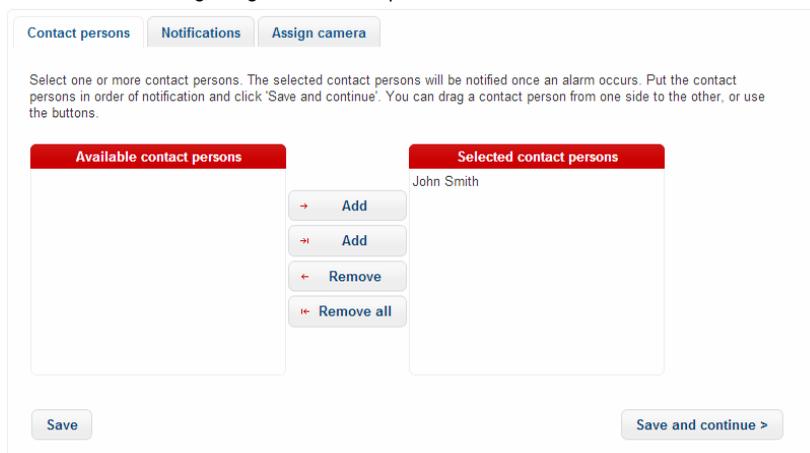


Image 5. Select contact persons

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	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Buttons: Save, Save and continue >

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 Smoke alarm

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

Alarm setup - Smoke alarm

Buttons: Contact persons, Notifications, Assign camera

Alarm group: Smoke alarm

Camera: -- No camera selected --

Buttons: Save, Save and finish >

Image 7. Assign a camera to the Smoke alarm

When the smoke 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 smoke detector

This smoke detector is designed to be used in a house or small office (at home). It is recommended to use several smoke detectors at home to detect a fire or smoke even quicker.

6.1 Choosing a mounting location

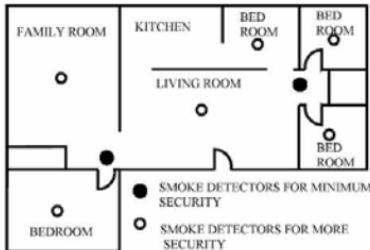
To get a full cover of the detection area it is recommended to use several smoke detectors. Preferably in every room where you live and sleep. A minimum required detection area can be obtained by installing a smoke detector on every floor and every bedroom.

Mounting locations for a house or apartment with only one floor:



● SMOKE DETECTORS FOR MINIMUM SECURITY

○ SMOKE DETECTORS FOR MORE SECURITY



● SMOKE DETECTORS FOR MINIMUM SECURITY

○ SMOKE DETECTORS FOR MORE SECURITY

Image 8. Mounting locations for minimal security and more security.

Mounting locations for a house with several floors:

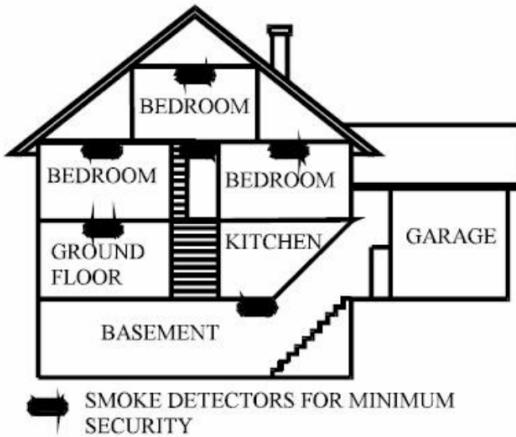


Image 9. Recommended mounting locations for a family house.

1. Install at least 2 smoke sensors per Household.
2. If a hallway or stairway is 12 meters or longer, install a smoke sensor on both ends of the hallway.
3. It is recommended to install smoke detectors in every bedroom.
4. Install smoke detectors as close as possible to a ceiling of a room. If this is not possible, put the detector no closer than 10 cm from any wall or corner.

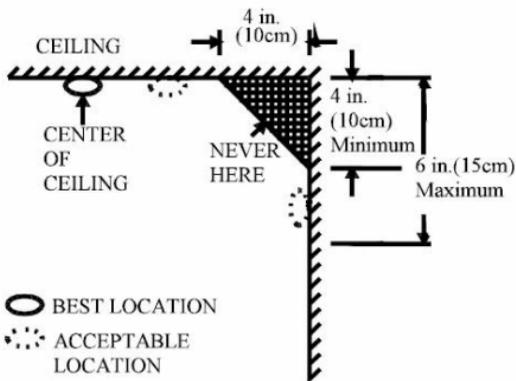


Image 10

5. If you cannot mount the smoke detector to a ceiling, mount the smoke detector on a wall but 10 – 15 cm from the ceiling.
6. If the ceiling of the room is sloped, peaked or you have a gabled ceiling, try to mount the detector 0.9 meter measured horizontally from the highest Point of the ceiling as shown in the next image:

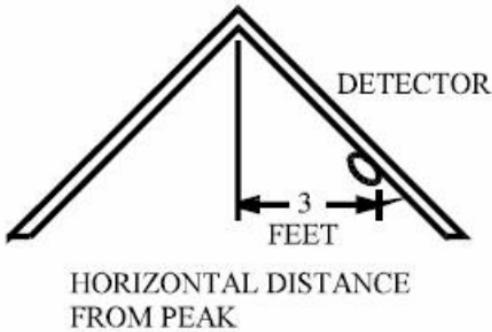


Image 11. Mounting a smoke detector in the attic of a house.

6.2 Not recommended mounting locations of the smoke detector

Mounting the smoke detector on a wrong place can cause false alarms making the system less reliable. Do not install a smoke sensor in these areas

1. Areas where combustion takes place, like a kitchen with few windows or poor ventilation. But also a garage, near furnaces, hot water heaters and pace heaters.
2. Do not install smoke detectors less than 6 meters from a combustion source, like a small kitchen. If possible mount the smoke detector to a wall (instead of the ceiling) and provide good ventilation.
3. Note that are streams are passing by from kitchens causing a smoke sensor in the hallway nearby to sense smoke. See the image below for a proper mounting location.

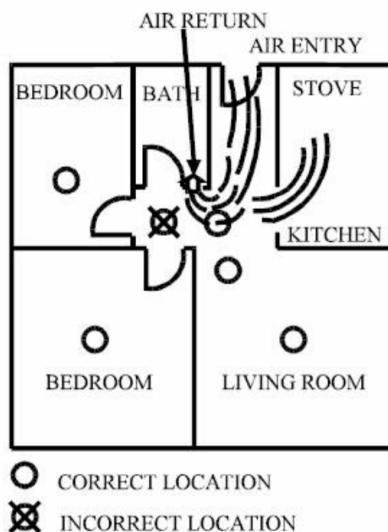


Image 12. Air currents can activate the smoke alarm

4. Do not mount the smoke detector in very humid areas, near bathrooms or showers. Mount the smoke detectors at least 3 meters away from the bathroom.
5. Do not mount the smoke detector in cold or hot areas. Operating temperature of the smoke detector is 4°C to 38°C.
6. Do not mount the smoke detector in a dusty or dirty area. Dust and/or dirt can build up on the sensor, which may cause false alarms.
7. Do not mount the smoke detector near a ventilation system, air conditioning, heating installation or fans.
8. Do not mount the smoke detector in dead air spaces, for example at the top of a peaked roof, in corners between ceilings and walls.
9. Do not mount the smoke detector in insect-infested areas; insects may enter the detector's sensor chamber causing false alarms. If a bug is causing a false alarm, remove it first before mounting the smoke sensor back again.
10. Do not mount the smoke detector near fluorescent lights, the electrical 'noise' from these lights may cause false alarms. Keep a distance of at least 1.5m to mount the smoke detector.

Important!

Do not remove the battery to stop a false alarm. Assure that the ventilation of the room is sufficient to discharge smoke and/or dust. The alarm will stop automatically when the smoke is gone. If the false alarms persist, try to clean the smoke detector first.

Do not stand too close to the smoke detector when the alarm is fired. The sound of the siren, may damage your hearing.

6.3 Mounting the smoke detector

Once you have decided a proper mounting location, according to the information the previous chapter, you can now start to mount the smoke detector.

1. Remove the mounting bracket from the housing:



Image 13

2. Use the mounting bracket to mark drilling and screw holes. Use a marker to mark the desired drilling location.
3. Use a 5mm drill to drill the holes. Insert the provided plugs/dowels into the holes.
4. Screw the mounting bracket to the wall with the provided screws.
5. Mount the smoke sensor on the mounting bracket by turning it counter-clockwise on the bracket. Make sure that the smoke detector is screwed tightly.

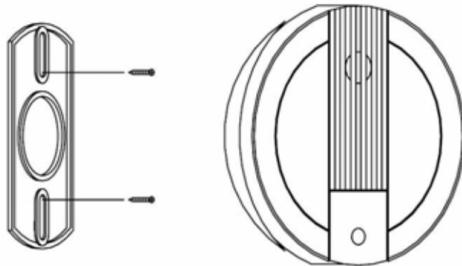


Image 14

7.0 Testing the smoke sensor

Now that the smoke detector is mounted properly you can test it. Take notice of the following remarks.

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

To check whether the smoke detector is working properly and detecting smoke you can use the e-Centre touch screen, the mobile mWeb website and the e-Domotica app on your smart phone or tablet.

Go to Devices, go to the location of the smoke detector and check the following:

Green: No smoke detected, all OK



Red: Smoke detected, not OK

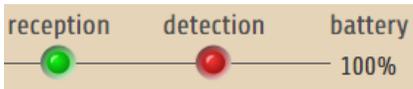


Image 15. Detection information displayed on screen

7.2 Test the smoke detector and the smoke alarm

You can test the smoke detector by pressing the test button for about 3 seconds on the smoke detector itself. You can mute the siren of the smoke detector by placing your hand or finger on the output (1).

Also a signal is sent from the e-Centre to the e-Domotica portal. The e-Centre will show a message about the smoke alarm being triggered. Also the internal siren of the e-Centre will sound the selected sound and option external sirens may sound (EM6575 e-Domotica Siren for example). Within a few seconds the first contact person is called or receives a text message about the alarm. This contact person can listen to the alarm message and handle the alarm or ignore it.

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) 2336 4745 17	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	€ 1,00 per conversation
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 these 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 second-hand 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.



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