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All information subject to change. Errors and omissions excepted.

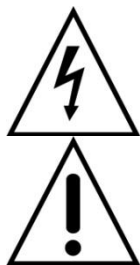
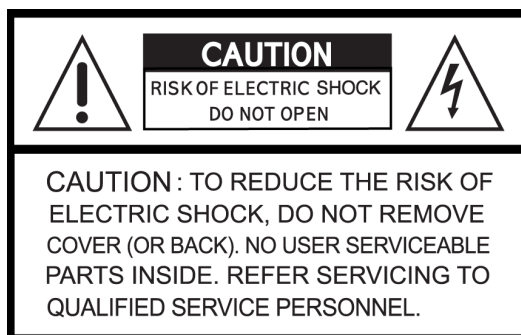
Introduction

Thank you for purchasing the LUPUSEC-XT2 wireless security system. Before you start the system, please take the time to read the following safety and installation information carefully and attentively. It is imperative to comply with these instructions in order to ensure the safe operation. If you have any further questions, please contact your local retailer or LUPUS-Electronics directly. Your LUPUSEC-XT2 was developed and built with state-of-the-art technology and complies with European and German standards. Declarations of conformity are available on request or for download at www.lupus-electronics.de.

Please keep this manual safely to be able to answer possible questions in the future. The manual is an integral part of the product even in case it is resold to a third party.

Disclaimer

All technical details and descriptions in this manual have been written with the greatest care. However, Lupus-Electronics cannot entirely exclude mistakes in this manual. Therefore, we do not assume any legal responsibility or liability, which is result of wrong information in this manual. Descriptions, technical images and technical data are subject to change according to technical progress without notice. In addition, LUPUS-Electronics reserves the right to change this product and its manual without prior notice. We do not assume any guarantee with regard to the content of this document. We appreciate any comments on mistakes or inaccuracies, which may help us to improve this product and this manual.



This symbol is intended to attract the user's attention to the potential risk of dangerous unprotected voltage inside the housing. This may lead to an electric shock.

This symbol is intended to attract the user's attention to use and maintenance instructions in the manual and documents enclosed to the product.

WARNING:

TO MINIMIZE THE RISK OF AN ELECTRIC SHOCK, YOU MUST NOT EXPOSE THIS PRODUCT TO WET AND MOIST CONDITIONS AT ANY TIME.



All Lupus-Electronics products are lead-free and meet the requirements stated under the European Directive on the Restriction of Hazardous Substances (RoHS). This guarantees that the entire production process and the product itself are free of lead and of all listed hazardous substances.



This product was tested and complies with the regularities for a class of digital devices stated under FCC part 15. These limits were specified to provide reasonable protection against harmful exposure when operating the device in a commercial environment. This product emits and uses radio energy. It may in addition interfere with other radio communication systems, if it is not installed or used according to this manual. Using the device in residential areas may cause disturbances to be possibly remedied at the user's expense.



If installed properly according to this manual, the product complies with CE regularities. To avoid the risk of electromagnetic interferences (e.g. with radios or radio traffic), it is highly recommended to use shielded cables only.

Conformity:

The declaration of conformity is available at:

LUPUS-Electronics GmbH

Otto-Hahn-Str. 12

D-76829 Landau



Warning

The warranty claim will expire in case of damages resulting from the non-observance of this manual.

We do not assume any liability for consequential damages.

We do not assume any liability for damages to persons and/or material whatsoever, which result from improper handling or noncompliance with the safety instructions. The warranty claim will expire in such cases!

This wireless alarm system is equipped with a high-quality housing. However, please observe the following safety regulations:

- Never open the control unit housing! This is dangerous and your warranty will expire immediately.
- Connect this product only to the approved voltage according to this manual. Operate the alarm system only with the provided power supply unit.
- The socket must be located in an easily accessible, moisture-proof indoor location.
- Handle the alarm system with care, heavy vibration or bumps may damage this alarm system.
- Do not expose the alarm system to direct sunlight or strong heat, e.g. heaters.
- To prevent overheating, install the control unit only in the shade and not close to any heat source, e.g. heater!
- Provide for sufficient ventilation of the system. Keep a minimum safety distance of 20 cm (8 inch) on all sides.
- Do not install the alarm system close to strong electric power lines or magnetic fields, as this may impair the transmission quality significantly.
- Do not install the alarm system directly on iron or aluminium surfaces without isolating the foot of the alarm system from the floor, as this may impair the wireless transmission significantly.
- Do not install the alarm system in moist, very cold or very hot environments. Please observe the maximum humidity and temperature limits.
- Persons (including children) with limited physical, sensory, or mental abilities and/or lacking experience and/or knowledge must not use this product.
- Keep children away from the product and other connected electric appliances at all times. The alarm system includes cables, which may strangle children, and small parts, which they may swallow. Lay cables expertly so that they are neither bent nor otherwise damaged. Assemble the alarm system out of children's reach. Do not leave packaging materials unattended, they may be dangerous for playing children.
- Use a damp cloth to clean the alarm system's surface. Afterwards, dry the surface. Cleaning agents will damage the surface.

Detection of defects

If you notice any kind of defect, disconnect the alarm system from the power supply and contact your retailer or Lupus-Electronics directly. Any further usage of the system may lead to fire or electric shock!

Designated use

This alarm system is intended for property security purposes. Install the control unit indoors only. Any other use than described in this manual is not permitted and will lead to the expiry of any warranty or guarantee as well as to the exclusion of liability. The same applies to modifications and retrofitting.

Information on disposal:

Do not dispose of the device with the domestic waste!



This product complies with the EU Directive on waste electrical and electronic equipment (WEEE) and therefore must not be disposed of with the domestic waste. Dispose of the device via your local collection point for waste electronic equipment!

This product contains software programs subject to the GPL free software license.

This product contains software that was developed by third parties and/or software subject to the GNU General Public License (GPL) and/or the GNU Lesser General Public License (LGPL). We will send you the source code of these programs on request. The GPL and/or LGPL code used and offered in this product is EXCLUSIVE OF ANY GUARANTEE WHATSOEVER and is subject to the copyright of one or several authors. For further details, please refer to the GPL and/or LGPL code of this product and to the terms of usage of GPL and LGPL.

You can read the complete license text at <http://www.gnu.org/licenses/gpl-2.0.html>.
For the unofficial German translation, please go to <http://www.gnu.de/documents/gpl.de.html>

Hardware description



The LUPUSEC-XT2 control unit has three different control LEDs, which inform you about the control unit's status.

1. Error LED

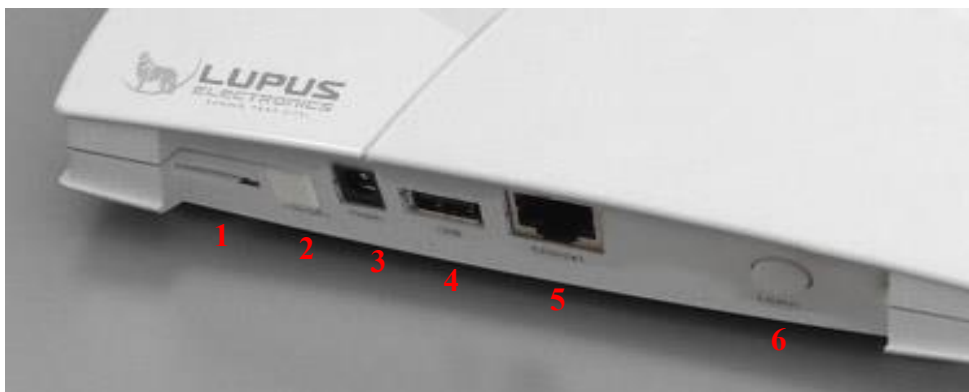
- Red on = system error (list via Control unit → Status → XT2 Status)
- Off = system in proper state

2. Area 1 LED

- Red on = Area 1 in Armed mode (Arm)
- Green on = Area 1 in Home mode (Home 1, Home 2, Home 3)
- Flashes red = Alarm in Area 1
- Flashes red + Area 2 LED flashes green = Control unit in Add sensors mode or Test range mode

3. Area 2 LED

- Red on = Area 2 in Armed mode (Arm)
- Green on = Area 2 in Home mode (Home 1, Home 2, Home 3)
- Flashes red = alarm in Area 2
- Flashes green + Area 1 LED flashes red = Control unit in Add sensors mode or Range test mode



1. (Mini) SIM card slot
2. Battery on/off switch
3. Power supply connection
4. USB port
5. LAN port
6. Learn button

Scope of delivery

Please check immediately after the delivery of the LUPUSEC-XT2 control unit, whether the product's scope of delivery includes the following components:

- Alarm system LUPUSEC-XT2
- Drilling template including screw set
- LAN cable
- 12 V power supply unit (power consumption: 2.1 Watt in normal state, 5 Watt with activated internal siren)

If anything is missing, please contact your retailer immediately.

Put the LUPUSEC-XT2 into operation

The following pages describe the installation and start-up of the LUPUSEC-XT2 systematically. To avoid damages to the system, please observe these instructions in detail and read the manual carefully before you start. For your convenience, you will find detailed installation videos on the enclosed CD.

Control unit

Take the control unit out of the packaging. Check for possible transportation damages immediately after the delivery. If you see any damage, please complain to your local retailer promptly.

Place of installation

The place of installation is crucial for the smooth operation of the system, as all sensors (door/window contacts, smoke detectors, glass breakage detectors, etc.) are connected to the control unit wirelessly (868 MHz or 2.4 GHz). Therefore, choose the place of installation so as to ensure the shortest airline distance between the control unit and all sensors. A central, open place is a good choice.

Furthermore, make sure that neither metals nor strong magnetic fields interfere with the radio communication.

Do not install the control unit in the following locations:

- Basements
- Close to microwaves, ovens, hobs, iron doors, or iron walls
- Garages
- Cupboards or drawers
- Do not place objects in front of the device.
- The device is not intended for the operation in space with high temperatures or humidity (e.g. bathrooms) or excessive dust.
- Max. operating temperature and operating humidity:
10°C to +50°C, maximum 75 % relative humidity
- Operate the device in a moderate climate only.

Please note and/or ensure:

- That this manual might be outdated. For the latest pdf version, go to www.lupus-electronics.de or contact the Lupus support service.
- Always to provide sufficient ventilation.
- To leave a safety clearance of 10 cm on all sides.
- That no direct heat sources (e.g. air conditioning/heaters) are close to the device, which may affect the device.
- That no direct sunlight hits the device.
- That the device is not located close to magnetic fields (e.g. speakers).
- Not to place any open fire sources (e.g. candles) on or next to the device.

- To avoid the contact with splash or dripping water and aggressive liquids.
- That the device is not operated close to water. In particular, never submerge the device (do not place any objects filled with liquids, e.g. vases or drinks, on or next to the device).
- That no foreign objects enter the device.
- That the device is not subject to great temperature fluctuations, as this may cause humidity to condense and cause electric short circuits.
- Not to expose the device to excessive vibrations.

Warning



When in doubt do not assemble, install, and wire the system by yourself, but hire a specialized electrician. Improper and unprofessional execution of works at the power supply system pose a danger to you and other persons.

Install the control unit

You can either position the LUPUSEC-XT2 in a central place or mount it to the wall. For the latter purpose, screws, dowels, and a drilling template are included in the scope of delivery. To mount the device to wall, remove the rubber nubs from the bottom of the device.

Connect the control unit

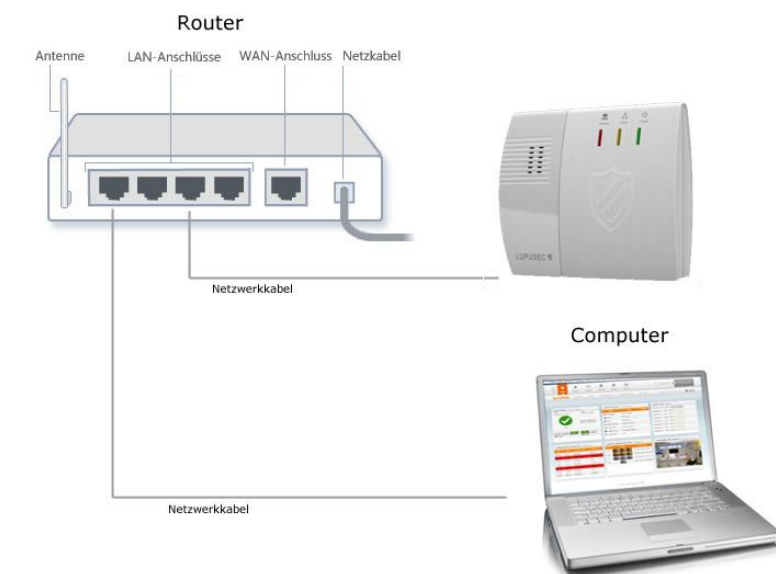
1. Remove the rubber cover from the back and turn the battery switch to ON.



Note:

In case of power failure, the internal battery can supply the control unit with power for approx. 12 hours.

2. Connect the LAN cable to the control unit and then connect it to your router. Most routers are equipped with several ports for gadgets.



3. Connect the provided power supply unit to the LUPUSEC-XT2.



The control unit needs about 30 seconds to boot.

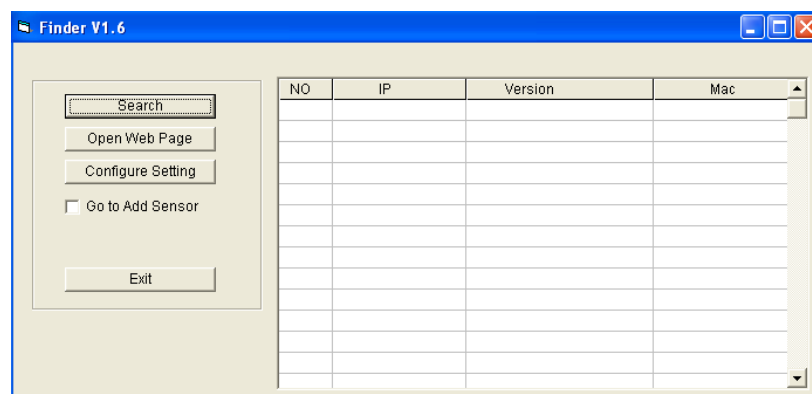
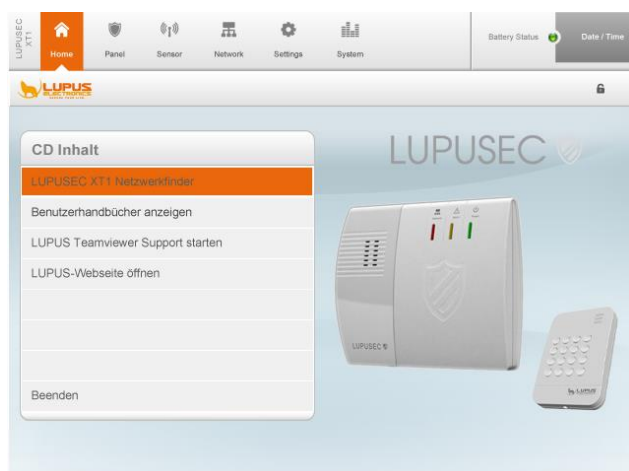
4. The Error LED of the control unit lights up and an warning signal sounds every 30 seconds. The cause is that usually no SIM card is inserted upon the first start-up, which the control unit interprets as a system error. The chapter "Status" describes how to ignore such errors.

Access to the main interface of the LUPUSEC-XT2

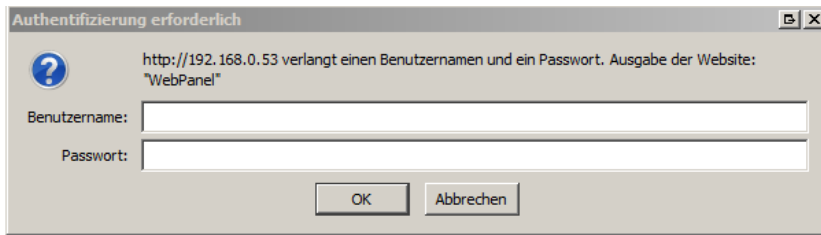
The control unit administration is controlled via a browser-based user interface, which is built like a web page. On these web page, you can control all system functions of the XT2, add and edit sensors, arm or disarm the control unit, check for open windows or doors, and view pictures from your LUPUSNET HD network camera and recorder (if installed and connected).

To open the main menu of the control unit, proceed as follows:

1. Start the link "LUPUSEC-XT2 network finder" from the CD (or enter the IP address of the XT2 - if already known - in your browser).



2. Click on "Search". The control unit should be found. Select the XT2 from the list with the left mouse button.
3. Click on "Configure Setting", if you want to change the IP settings of the control unit. If your network includes a DHCP server, this should not be required. Otherwise, e.g. in case of a direct connection via a crossover cable or no router/DHCP server available, you need to assign an IP address to the control unit manually, which is in the same network as your access device (PC, notebook...).
4. Double-click on the found control unit or alternatively on "Open Web Page". Your standard browser opens and the connection to the XT2 is established.



Enter one of the following access data:

User name: admin, password: admin1234

The admin can configure all settings of the XT2, only he can change network settings and system settings (firmware, backup, factory settings).

User name: expert, password: expert1234

Provides experts with all the required rights. All the important system settings (add/configure sensors) can be changed. The user can configure neither network nor system settings.

User name: user, password: user1234

Provides inexperienced user with rights.

Note:

- We recommend using Mozilla Firefox for web access to the XT2, which is available on the provided CD.
- After you accessed your control unit once via the IP finder, this method is not required anymore. You can save the IP address of the control unit e.g. in the list of favourites or bookmarks of your browser to access the user interface of the control unit in an easier and quicker way.

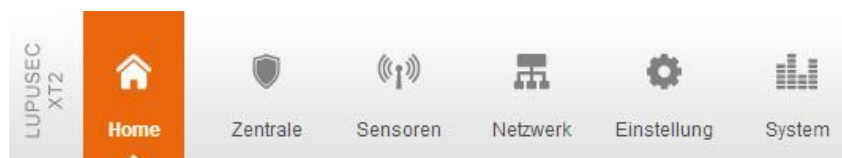
Change the language of the XT2 interface

You can change the language of the XT2 interface via System → Language. Select the required language and confirm with OK.

Description of menus



Home menu



Provides you with an overview of important information all in one: overview, history, PIR camera, and PIN codes.

Overview



The main window of the LUPUSEC-XT2 shows all the important information on the status of your alarm system. You can see at a glance, whether e.g. a window is open, an alarm was triggered, a battery runs low, or live pictures from your LUPUSNET HD camera (not included in scope of delivery).

The main window comprises 10 main sections:

1 LUPUSEC XT2 Home Zentrale Sensoren Netzwerk Einstellung System

2 Batterie Status 2013/11/14 15:24

3 LUPUS ELECTRONICS Übersicht Historie PIR Kamera PIN Codes

4 Firmware: 0.0.2.5F | GSM : inaktiv Logout

5 Alarm Status → Sirene Area 1 | Area 2
 Batterie Status: Normal | GSM: inaktiv
 Alarmmodus: Area 1 Disarm | Area 2 Disarm
 Status: Die Alarmanlage ist deaktiviert
 14.11.13, 14:14: Area 1 - Moduswechsel auf Disarm
 14.11.13, 14:14: Area 2 - Moduswechsel auf Disarm
 14.11.13, 14:14: Area 2 - Moduswechsel auf Arm
 14.11.13, 14:14: Area 2 - Moduswechsel auf Disarm
 14.11.13, 13:58: Area 1 Zone 4 Türkontakt_2 - Tür klingelt
 14.11.13, 13:58: Area 1 - Türkontakt_2 - Tür klingelt

6 Sensoren → Zeige alle

Name	Typ	Status
türkontakt_1	Türkontakt	geschlossen
türkontakt_2	Türkontakt	geschlossen
temperatur au...	Temperatursensor	7.62 °C
unterputz switch	Power Switch	An
powerswitchmeter	Power Switch Meter	An, 2.8W
innensirene	Sirene	
Smoky	Rauchmelder	

7 Steuerung → Zeige alle PSS | Automation | UPIC

8 Logs → Zeige alle Ereignisse | System | Contact ID

Zeit	Quelle	Meldung
2013/11/14 15:09:33	Zone4(Eingang)	Tür klingelt
2013/11/14 15:04:04	Zone4(Eingang)	Tür klingelt
2013/11/14 15:03:02	Zone4(Eingang)	Tür klingelt
2013/11/14 14:51:39	Zone4(Eingang)	Tür klingelt
2013/11/14 14:49:54	Ausgangsverzö...	Erfolgreich
2013/11/14 14:49:53	Web	Erfolgreich
2013/11/14 14:40:45	XT2	Wechsle zum Standard

9 Historie → Zeige alle Sensoren | Ereignisse

Zeit	Area	Meldung
14.11.13 15:18:20	Area 1 Zone 7	temperatur au...
14.11.13 15:16:20	Area 1 Zone 7	temperatur au...
14.11.13 15:14:20	Area 1 Zone 7	temperatur au...
14.11.13 15:12:22	Area 1 Zone 7	temperatur au...
14.11.13 15:12:01	Area 1 Zone 3	powerswitchmeter
14.11.13 15:10:22	Area 1 Zone 7	temperatur au...
14.11.13 15:08:24	Area 1 Zone 7	temperatur au...

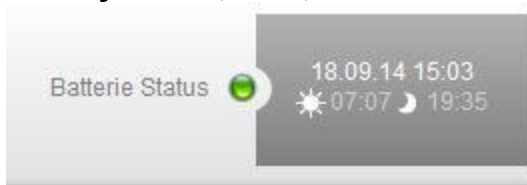
10 LUPUS Kameras → Vollbild

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1. The main menu

Is the main control unit of the XT2. The selected main menu is always highlighted in orange. Via the main menu, you navigate to the sub-menus (9) and thus access all configuration menus of the XT2.

2. Battery status, date, and time:



- Shows the battery status of all sensors connected to the system. If the battery of one or more sensors is low or empty, a red dot is shown. If the battery status of all sensors is OK, the dot is green.
- To the right of the battery status, the current time is shown and below that (if activated) times of sunrise and sundown of the current day.

3. The sub-menus



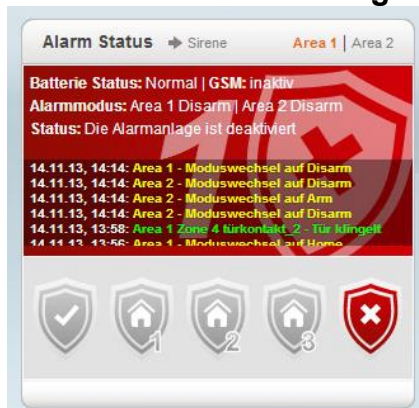
You can access the selection of various sub-menus via the main menu (1). The font colour of the selected sub-menu is orange. The displayed configuration menu changes with the selection.

4. Firmware version, GSM, logout



- Shows the currently installed firmware version. Please note that Lupus Electronics offers regular updates of firmware version for download in order to implement new functions or correct mistakes.
- GSM: Active means that the XTC identified a SIM card.
- By means of the logout, you leave the web interface of the XT2 and log out of the control unit.

5. The Alarm Status widget



- The Alarm Status shows, whether the alarm system is armed/ disarmed or in a home mode. You can change it by means of the alarm buttons. It also shows an overview of the most important system messages and events.

- If the alarm system is set to Arm, it is armed, i.e. each activation of a sensor causes an alarm.
- Use the Home modes 1-3 to activate specific partial areas. If e.g. a motion detector is located in the kitchen, which would trigger an alarm when someone enters the kitchen at night, set the item “Home 1 response” to “No response” in the settings of the motion detector to deactivate it in this mode.
- If the alarm system is set to Disarm, it is disarmed and will not trigger any alarm as a rule. There are exceptions (water, medical emergency, fire alarm...), which the chapter “Edit sensor” describes in more detail.
- The two areas to be selected in the upper right corner stand for two separately controlled partial areas. Thus, you can control e.g. the living room and the office in one object separately – like two alarm systems.

Note:

- You can work with 80 sensors per area, in total up to 160.
- You can arm the Home modes out of the Disarm mode only.

6. The Sensor widget

Shows the most important seven sensors connected to the system. Window and door contacts are listed on top. You can see promptly, whether e.g. a sensor is open, entirely out of service, detected motions or activated tamper contacts.

7. The Control widget

If you bought PSS sensors (wireless + in-wall relays) for your alarm system, you can activate, deactivate, and create automations for the connected devices.

8. The Recent Events widget

Shows the last event, system, and contact ID events.

9. The History widget

Shows the last sensor events and system messages.

10. The LUPUS Cameras widget

Shows current images of your LUPUS cameras or recorders. They must have been configured before via the menu Network → Cameras. The PIR network camera can only take pictures in the Arm mode, but cannot stream live (save battery power). These screenshots are located in Home → PIR camera.

History

The history shows all sensor messages of the connected temperature sensors or electric meters as well as the system messages. The history lists each system message, like e.g. armed or disarmed, with date and time.

Datum - Zeit	Area	Zone	Benutzer	Meldung
2013-07-09 11:54:38	1		User1(user)	Remote Change Mode to Disarm
2013-07-09 11:54:34	1		User1(user)	Remote Change Mode to Arm
2013-07-09 01:52:30				Report Fail
2013-07-08 13:52:22				Report Fail
2013-07-08 01:52:14				Report Fail
2013-07-07 13:52:08				Report Fail
2013-07-07 01:52:01				Report Fail
2013-07-06 13:51:54				Report Fail
2013-07-06 01:51:47				Report Fail
2013-07-05 13:51:40				Report Fail
2013-07-05 11:49:35				Report Fail
2013-07-05 02:23:12	1	Zone17(Insy)		Supervision Failure

Shows the recent sensor events, sorted by date, time, sensor name, and event.

Captured events

Zeit	Area	Zone	Typ	Status	Media	Meldung
2013-07-09 12:00:29	1	9	Requested	Done		No Packet Lost, Löschen
2013-07-09 12:00:13	1	9	Requested	Done		No Packet Lost, Löschen

Shows all recent recordings of motions captured by your PIR cameras, sorted by zone, picture, and recording date. Click on a recorded picture click to zoom in.

PIN codes

Nr.	Benutzer Code	Benutzername	Gültig bis (Bsp.: 2014/04/19 12:10)	Arm	Disarm	Melden	Löschen
1.	1234	Max Mustermann		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	2666	Reinigungskraft	2014/04/01 12:00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.	5959	Babysitter		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PIN codes are exclusively relevant to the user for controlling the control unit with a keypad. They enable up to 20 different users (per area) to arm/disarm the system. Firmware 0.0.2.7M and higher enable controlling both areas with a keypad. Depending on which area the PIN code belongs to, the respective area is controlled.

- **User Code**

Always consists of four digits. Each PIN code can be assigned only once, even in different areas.

- **User name**

You can optionally assign the user name.

- **Expires**

You can set a date in the form 2015/12/31 12:00. After this set date/time, the PIN code is no longer valid. If you leave the field blank, then validity of the code is unlimited.

- **Arm/Disarm**

This option serves to set the authorization to arm or disarm the control unit with the respective PIN code.

- **Report**

With this option, you are informed, when the respective PIN code is used.

- **Delete**

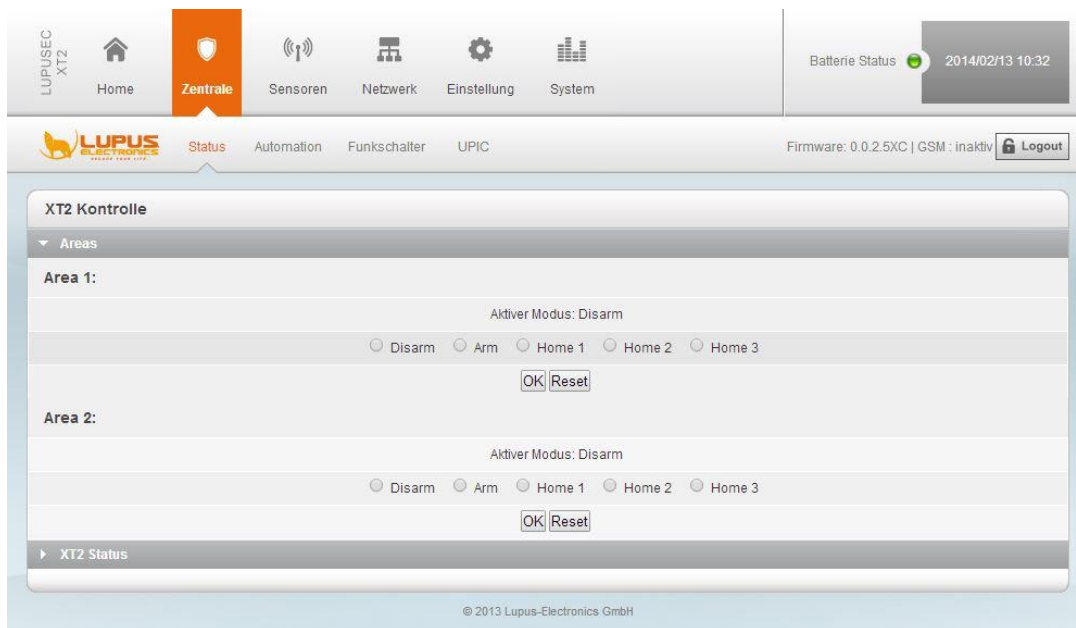
Deletes the respective PIN code. To apply changes, click "OK". If you want to neglect the last changes, click "Reset".



Control unit menu

Contains the Status menu to see possible failures of the control unit, the Automation menu to create automations, the menu for wireless switches (wireless sockets + in-wall relays) as well as the UPIC control for air conditioning systems.

Status



The menu “XT2 Status” shows the status of the LUPUSEC-XT2.

Zones:

- **Areas:**

To arm or disarm the two areas of the LUPUSEC-XT2 alarm system or to activate the Home mode.

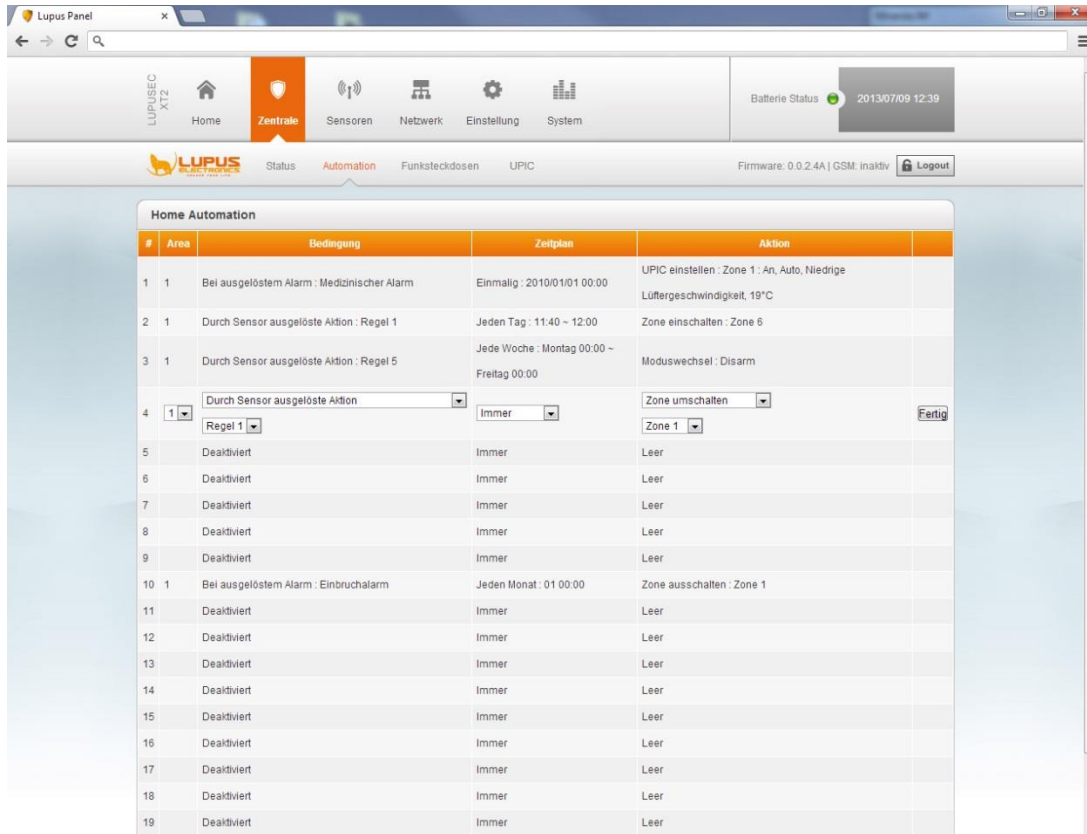
XT2 Status:

Shows the battery status, the tamper contact status, possible radio interferences with other transmitters, the DC power supply status, as well as the transmission power. Transmission power shows the quality of the transmission in the current environment. The smaller the number, the more optimal are the conditions on location.

- **XT2 Restart:** Reboots the system.
- **XT2 Error display:** A table lists each system error (control unit, sensors, connections, lacking SIM card). Every new system error triggers a regular audio alarm. You can disable each of these warnings with “Ignore system error”. If the list contains a system error that was not ignored, this will be indicated upon arming or activation of the home mode.

Automation

In the Automation menu, you can automatically arm or disarm the control unit among other things at certain times and conditions, control any consumer (device) via wireless sockets and in-wall relays (**zones**) depending on temperature and sensor action, activate or deactivate entire (wireless switch) **groups** and more. You can establish up to 40 automation rules.



Note:

After having established or changed an automation rule, save this setting by pressing **DONE** next to the automation rule and then **OK** on the bottom. If you do not want to save the setting, press **RESET** or leave the menu item.

Example 1:

Purpose:

A wireless socket or in-wall relay is to turn off electricity consumers, e.g. TV set, in order to avoid unnecessary standby power consumption, when nobody is at home.

Settings:

- Connect a (PSS) wireless socket (see instructions for sensors) to the control unit (in our example, this is area 1 / zone 1).
- Go to menu "Control unit" → "Automation"
- Click on EDIT in line 1
- Select the area (in this example 1), to which the CONDITION applies
- Select CONDITION → CHANGE MODE → ARM
- Go to SCHEDULE and select ALWAYS

- Go to ACTION and select SWITCH ZONE OFF → AREA 1 → ZONE 1

From then on, whenever you leave the house and arm the alarm system, the XT2 will turn off the respective PSS wireless socket Zone 1, and you save energy. Similarly, you can configure the same rule for the HOME mode.

To reactivate your TV, when you come home, you need to set up a second rule:

- Click on CHANGE in line 2
- Select the area (in this example 1), to which the CONDITION applies
- Select CONDITION → CHANGE MODE → DISARM
- Go to SCHEDULE and select ALWAYS
- Go to ACTION and select SWITCH ZONE OFF → AREA 1 → ZONE 1

Example 2:

Purpose:

Switch on a light at a certain wireless socket at a certain time.

Settings:

- Connect a (PSS) wireless socket (see instructions for sensors) to the control unit (in our example, this is area 1 / zone 2)
- Go to menu "Control unit" → "Automation"
- Click on EDIT in line 1
- Select the area (in this example 1), to which the CONDITION applies
- Go to CONDITION and select **None**
- Go to SCHEDULE, select EVERY DAY and enter the **identical** start/end time (e.g. 16:00)
- Go to ACTION and select SWITCH ZONE ON → AREA 1 → ZONE 2

From then on, the XT2 will switch the lamp on every day at 4 p.m. To switch it off again automatically at 7 p.m., you need to define another rule:

- Click on EDIT in the next blank line
- Select the area (in this example 1), to which the CONDITION applies
- Go to CONDITION and select **None**
- Go to SCHEDULE, select EVERY DAY and enter the **identical** start/end time (19:00)
- Go to ACTION and select SWITCH ZONE OFF → AREA 1 → ZONE 2

Example 3:

You can trigger automatic actions by sensor activities. These **rules** are set in the Automation menu, you can choose between 16 different rules:

Purpose:

Trigger automatic action by sensor activity

Settings:

Home Automation				
#	Area	Bedingung	Zeitplan	Aktion
1	1	Durch Sensor ausgelöste Aktion : Regel 1	Immer	Moduswechsel : Full Arm

If door contact XY closes, the system is automatically armed.

For this purpose, select the required sensor from the menu Sensors → List (via Edit) and select one of the maximally 16 definable rules.

Sensor editieren

Türkontakt

ID: RF:00003710

Version:

Name: XY

Area: 1

Zone: 2

Bypass: ☐

Melden: ☒

Alle Areas: ☐

Set/Unset: ☐ Normal Offen

24 HR: ☐ Einbruchalarm

Disarm Antwort: Türklingel

Arm Antwort: Eingangsverzögerung 1

Home 1 Antwort: Eingangsverzögerung 1

Home 2 Antwort: Eingangsverzögerung 1

Home 3 Antwort: Eingangsverzögerung 1

Hausautomationsbefehl ausführen: Regel 1

Exit: ☒ No Response

OK Default Reset oder Zurück

Note:

You can assign several automations to one rule, e.g. to arm the control unit in case of sensor activity and at the same time switch off a socket.

Wireless switches

Lupus Panel

Home Zentrale Sensoren Netzwerk Einstellung System

Batterie Status 2013/07/09 12:41

Status Automation Funksteckdosen UPIC Firmware: 0.0.2.4A | GSM: inaktiv Logout

Funksteckdose ➤ Hinzufügen

Area	Zone	Typ	Name	Status					
1	6	Power Switch	Switchy	Off	Ändern	Löschen	Einschalten	Deaktiviert	Ausschalten Schalten
1	16	Power Switch Meter	Stromy	On, 2.8W	Ändern	Löschen	Einschalten	Deaktiviert	Ausschalten Schalten

Gruppeneinstellungen

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Wireless sockets and in-wall relays can be manually switched on and off via the web

interface or automatically via the Automation menu of the control unit. For this purpose, you need to program them. For further details, please refer to the product description of the wireless sockets/in-wall relays.

List of installed wireless switches

Shows a list of all wireless sockets and in-wall relays.

Area	Zone	Typ	Name	Status			
1	6	Power Switch	Switchy	Off	Ändern	Löschen	Einschalten
1	16	Power Switch Meter	Stromy	On, 2.8W	Ändern	Löschen	Einschalten

In the list, you can change the sensor settings, delete, manually activate/deactivate or change over the devices or activate them only for a certain time.

Group settings

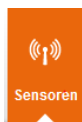
In the group settings, you can combine wireless sockets and in-wall relays in maximally eight groups and manually switch them on or off, activate them for a certain time or control them automatically.

Sensorliste												
Area	Zone	Typ	Name	Gruppe 1	Gruppe 2	Gruppe 3	Gruppe 4	Gruppe 5	Gruppe 6	Gruppe 7	Gruppe 8	
1	2	Power Switch Meter	Leerdose	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ändern Löschen
1	17	Power Switch	Heizung	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ändern Löschen

To apply the settings, click on **OK**, to neglect them, click on **Reset**.

UPIC (universal IR transmitter)

By means of the UPIC transmitter, you can operate external devices such as air conditioning, fans, or other IR remote-controlled devices. If an IR data file of the manufacturer is available, you can upload it to the device.
(UPIC device is not yet available).



Sensors menu

Shows the sensor list including all the connected sensors. Add to integrate new sensors to the control unit; Range to test the signal strength; Devices to configure all devices (e.g. sirens)

List

Area	Zone	Typ	Name	Zustand	Batterie	Sabotage	Bypass	Sendeleistung	Status	
1	1	Remote Controller	Moty				No	N/A		Ändern Löschen
1	2	Water Sensor	Waty				No	Strong, 9		Ändern Löschen
1	3	Panic Button	Pany				No	Strong, 9		Ändern Löschen
1	5	Door Contact	Doory				No	Strong, 9	Door Close	Ändern Löschen
1	6	Power Switch	Switchy				No	Strong, 7	Off	Ändern Löschen
1	7	IR	Motiony				No	Strong, 9		Ändern Löschen
1	8	Smoke Detector	Smoky				No	Strong, 9		Ändern Löschen
1	9	IR Camera	Piry				No	Weak, 2		Ändern Löschen
1	10	Keypad	Pady			Tamper	No	Strong, 9		Ändern Löschen
1	11	WTR	Hangy				No	Strong, 7		Ändern Löschen
1	12	Temperature Sensor	Tempy				No	Good, 5	27.81 °C	Ändern Löschen
1	13	CO	Mony				No	Strong, 9		Ändern Löschen
1	14	Door Contact	Glaszy				No	Strong, 9	Door Close	Ändern Löschen
1	15	Smoke Detector	Hitzzy				No	Strong, 9		Ändern Löschen
1	16	Power Switch Meter	Stromy				No	Strong, 9	On, 2.8W	Ändern Löschen
1	17	Siren	Insy	Out Of Order			No	N/A		Ändern Löschen

Area	Zone	Typ	Name	
1	9	IR Camera	Piry	Ändern Löschen Media anfordern

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The sensors menu “List” contains a list of all sensors connected to the LUPUSEC-XT2. They are listed by area, zone no., type, name, state, battery, tamper contact, bypass, transmission power, and status. The last column provides you with the option to edit the sensor properties by means of “Edit”. The sensor can be removed from the alarm system by means of “Delete”. A separate table below contains the PIR network cameras. Use “Request media” to receive a current picture from the camera.

Note:

All XT2 components except wireless relays and repeaters (devices) are regarded as sensors. A maximum of 80 sensors can be integrated per area. Up to 25 devices (wireless relays and repeaters) can be connected additionally.

Sensor list:

- **Area**

Shows the area, where the sensor was integrated. Areas can be armed separately.

- **Zone no.**

Shows the number of the zone. This is a consecutive number provided for each newly added sensor.

- **Type**

Shows the type of sensor, e.g. "Door contact" for a window/door contact.

- **Name**

You assign this name when you add a new sensor. It is limited to 30 characters.

- **State**

Shows the current state of the sensor. Green shows that the sensor is ready for operation.

- **Battery**

A red symbol in this column shows that the battery of the sensor is low or empty.

- **Tamper contact**

If a sensor is open or removed, the tamper contact of the sensor triggers an alarm. Red shows that the tamper contact is open.

- **Bypass**

Shows whether a bypass is active for the respective sensor. For further information, please refer to the following pages.

- **Transmission power**

Shows the transmission power of the sensor. If less or equal to 2, a wireless repeater is required.

- **Status**

Shows the status of the sensors. If blank, no abnormal event is available. Depending on the type of sensor, the following statuses are possible:

- Open = open door sensor | Closed = closed door sensor
- Out of operation = malfunction / empty batteries / out of range
- Temperature indicator in degrees Celsius
- Power consumption in Watt

Edit sensor

You can assign different properties and actions to most of the sensors. In case of an alarm, they react in entirely different ways. Access the settings of a sensor via the following items: “List” → “Sensor list”, then click on “Edit” to the right of the sensor.

Sensor editieren

Türkontakt

ID: RF:f59b0f10

Version:

Name: Messekontakt

Area: 1

Zone: 1

Bypass: ☐

Sabotage deaktivieren: ☐

Melden: ☒

Set/Unset: ☐ Normal Geschlossen

24 HR: ☐

Disarm Antwort: Keine Antwort

Arm Antwort: Eingangsverzögerung 1 ☒ Ausgangsverzögerung ignorieren

Home 1 Antwort: Keine Antwort ☐ Ausgangsverzögerung ignorieren

Home 2 Antwort: Keine Antwort ☐ Ausgangsverzögerung ignorieren

Home 3 Antwort: Keine Antwort ☐ Ausgangsverzögerung ignorieren

Hausautomationsbefehl ausführen: Deaktiviert

Hausautomationsbefehl (öffnen): Deaktiviert

Hausautomationsbefehl (schließen): Deaktiviert

OK Default Reset oder Zurück

ENGLISH

Depending on the type of sensor, the following settings are available:

ID

Shows the sensor-specific ID (cannot be changed).

Version

Shows the software version (only for certain devices)

Name

Assign an individual name of up to 30 characters to the sensor.

Area

Assign an area to the sensor. The areas can be armed separately.

Zone

Assign a zone number to the sensor. Do not duplicate zone numbers. Each area has maximally 80 zones.

Bypass

If a sensor is set to bypass, this sensor will not trigger any alarms anymore (does not apply to tamper), as long as this value is set. Sensors, which cannot trigger alarms, e.g. sirens, therefore do not react to the bypass function.

Disable tamper

If this function is active, the sensor will not trigger tamper alarms anymore (by e-mail, text, siren wireless relay). However, a warning is still issued, if the XT2 is armed (and in Home mode), until the system error is remedied or "Ignore system error" is ticked via Control unit -> XT2 Status.

Example:

This function can be important, if a sensor/tamper contact disengages during longer periods of absence and you do not want to receive a message concerning the tamper contact failure every time the sensor status is checked.

Report

With this function active, Contact ID (if available) sends messages for this sensor. It is not relevant to messages sent by e-mail and text.

Set/Unset

With this function, you can realize an arm/disarm function for window/door contacts and wireless sensor inputs. The system is automatically armed or disarmed, depending on whether the contact is closed or open.

Normally closed

The sensor is normally closed and arms the XT2 when opened.

Normally open

The sensor is normally open and arms the XT2 when closed.

CAUTION:

This function forces the immediate arming/disarming, irrespective of the set delay times or possible system errors!

24 HR

If this function is active, the set alarm is triggered irrespective of the arming.

Disarm / Arm / Home 1 / Home 2 / Home 3 response

Set the required sensor action, if triggered, depending on the XT2 status.

No response

The control unit does not react at all, if the sensor is triggered.

Entry delay 1 / 2

The control unit starts the entry delay 1 or 2, if the sensor is triggered. If the system is armed or in home mode and a sensor with the property "Entry delay 1 / 2" is triggered, you can disarm the system within the pre-set time (see „Settings → Control unit → Area settings → Delay 1/2 upon entry “). An event code (#131) is transmitted during the entry delay. If the system is not disarmed during the delay, an alarm is triggered.

Doorbell

The control unit rings (audio signal sounds only in the control unit itself, but not in external sirens).

Burglar alarm Follow

This zone does not trigger the alarm, if an entry/exit zone has activated the "Entry delay" before. An immediate alarm is triggered, if the entry delay was not activated before. Use this sensor property e.g. for a motion detector in the entrance area, which is directed to the entrance door (equipped with entry delay) (window/door contact).

Burglar alarm Instant

The sensors triggers the alarm immediately.

Silent alarm

The sensor does not trigger the siren to sound, but sends an event code (#122) to the security firm → "Silent alarm" and sends an e-mail (if not filtered out in the e-mail menu).

Burglar alarm Outdoor

The sensor does not trigger the siren to sound, but sends the event code (#136) to the security firm → "Outdoor Alarm" and sends an e-mail (if not filtered out in the e-mail menu).

Execute home automation command

If the sensor changes its state, one of 16 home automation rules can be started, which are defined in the Automation menu.

Home automation command (open)

If e.g. a window/door contact is open, one of 16 home automation rules can be started, which are defined in the Automation menu.

Home automation command (close)

If e.g. a window/door contact is closed, one of 16 home automation rules can be started, which are defined in the Automation menu.

Ignore exit delay

With this function ticked, the sensor will not react during the exit delay time of the selected mode (Arm, Home 1-3). If the sensor is open and the control unit armed, there is no warning signal upon changeover into the selected mode. This option disables the warning of the sensor irrespective of the setting "Control unit" → "Arm with failure".

All areas (sirens only)

If you want to assign an external siren to both areas, enable this option and make sure that switch SW1 of the respective siren is set to ON! Then set switch SW1 back to OFF.

Always on (only PSS power supply units)

If you want to have a wireless socket or in-wall relay that is always on irrespective of

the status of the alarm system, enable this option. Afterwards, activate the PSS device manually once.

Emergency button (only medical emergency controller + panic button)

To set what kind of alarm is to be transmitted or which automation rule is executed, if the sensor alarm button is pressed.

Alarm overview

Area	Zone	Typ	Name	Arm	Home 1	Home 2	Home 3	Disarm	
1	1	Türkontakt	Vordereingang	Eingangsverz. 1	Eingangsverz. 2	Eingangsverz. 2	Eingangsverz. 2	Türklingel	Ändern
1	2	Türkontakt	Hintereingang	Eingangsverz. 1	Eingangsverz. 2	Eingangsverz. 2	Eingangsverz. 2		Ändern
1	3	Wasser Sensor		Wasser	Wasser	Wasser	Wasser	Wasser	Ändern
1	4	Türkontakt	Sensoreingang	Eingangsverz. 1	Eingangsverz. 1	Eingangsverz. 1	Eingangsverz. 1	Türklingel	Ändern
1	5	Türkontakt	NOTAUSGANG	Notfall Alarm	Notfall Alarm	Notfall Alarm	Notfall Alarm	Notfall Alarm	Ändern

The Alarm overview shows you at a glance the behaviour of the learned sensors in the respective state (Arm, Home 1-3, Disarm) of the alarm system. You can change the configuration by means of “Edit”, as described under “Edit sensor” above.

PIR sensors

Area	Zone	Typ	Name	
1	6	PIR Kamera	Hausflur	Ändern Löschen Media anfordern

Lists the added PIR network camera(s). To take a picture manually, press “Request media”. The menu Home →PIR camera contains the pictures from the PIR network cameras.

Add

In the menu “Add”, you can add sensors to the LUPUSEC-XT2. Simply click on “Start” next to “Add” to start the automatic sensor search. Then, start the test of the (“Learn”) mode sensor to install. Read the sensor description to find out, how to add the sensors. Usually, the sensor is equipped with a button to be pressed for a certain time.

If the sensor was found, it is listed in the table, which also shows the type of contact (“Type”), the reception quality (“Signal strength”) and the unique “Sensor ID” of each sensor.

You can add the sensor to the alarm system via the action “Add”. You can assign properties to the added sensor, as explained in the previous section “Edit sensor”.

You can add sensors manually via the sensor-specific sensor ID – which is unnecessary in most of the cases.

Range

Test the sensor range with the “Range” function. After having successfully added a sensor, click on “Start” in the “Range” menu (→ The LEDs of area 1 + 2 flash). Take the sensor to the intended point of installation. Press the Test button of the sensor for

a certain time (see sensor descriptions) to start the sensor test mode. If the control unit detects the sensor, it will inform you with a short acoustic signal.

The "Signal strength" in the "Range" menu shows the reception quality.

A signal strength of 9 is the best possible value and a signal strength of 1 the worst possible. To ensure a loss-free alarm signaling, this value should be at least 3.

Devices

Device settings

External sirens can be configured or additional devices, including wireless repeaters and wireless relays, added to the LUPUSEC-XT2 in the menu "Sensors" → "Devices".

Select from the drop-down menu "Activate device for area", to which area the device is to be added (Area 1 / 2). Activate the test mode of the device and click on "Apply device" to add the device to the control unit.

The repeater or wireless relay menu contains the functional description. If the device is detected, the control unit confirms this by means of a short acoustic signal.

You can add up to 25 devices to the XT2.

Geräte Einstellungen

Gerät aktiv für Area: Area 1 Gerät einstellen

Sirenen Einstellungen

☒ Sabotagekontakt an ☐ Sabotagekontakt aus Gerät einstellen

☒ Bestätigungssignal an ☐ Bestätigungssignal aus Gerät einstellen

☒ Eingangssignal an ☐ Eingangssignal aus Gerät einstellen

Erweiterte Einstellungen

Area: 1

Zone: 1

Alarm Lautstärke: Laut

Türklingel: An

Einbruch in Home arm auslösen: An

Einbruch in away arm auslösen: An

Sirenenstroboskop: An

Bestätigungs-Blitz: An

Verlassen-Blitz: An

Betreten-Blitz: An

Blitz auslösen: An

Lautstärke beim Scharfschalten: Laut

Lautstärke beim Laut

Unscharfschalten: Senden

Siren settings

- **Tamper contact on/off**

Deactivates the tamper contact of all currently connected “external” (in addition to the control unit) sirens **for one hour** (useful e.g. to change the batteries).

- Click on “Tamper contact off”
- Then click on “Apply device” below

Note:

If the tamper contact is disabled, the siren does not transmit status updates to the control unit anymore for as long as it is disabled. For that time, you can also not see the current state of the tamper contact via Sensors → List.

- **Confirmation signal on/off (with Arm / Disarm)**

With this function active, the siren will sound one (when arming) or two (when disarming) signals.

To disable the confirmation signal of the siren(s) upon arming/disarming, proceed as follows:

- Click on “Confirmation signal off”
- Then click on “Apply device” below

Note:

If the tamper contact of the siren is open when arming the system, five short acoustic signals sound even though the confirmation signal is disabled.

- **Entry signal on/off**

With this function active, the siren will sound confirmation signals for the duration of the defined delay until the system is armed.

To disable the warning signal of the siren(s) upon entry/exit, proceed as follows:

- Click on “Entry signal off”
- Then click on “Apply device” below

Note:

- These three settings are transmitted only and not permanently stored in this menu. After they were transmitted, all three settings are ON again - but they were stored in the sirens, after they transmitted the confirmation signal.
- In addition, please note that the configuration is sent to all currently connected and active external sirens. If you want to configure several sirens differently, you should delay the installation of these sirens or just disconnect these sirens from the power supply while the settings are changed. It is impossible to read out the current siren configuration.

Advanced settings

A siren, which is currently being developed, will support the following advanced settings (presumably available in 2015):

- **Area**

Enter the area, in which the siren is located.

- **Zone**

Enter the zone number of the siren, the settings of which you want to change.

- **Alarm volume**

Define the siren volume in case of alarms.

- **Door bell**

Specify, whether the siren is to give an acoustic signal with the “Doorbell function”.

- **Trigger alarm in “Home” mode**

Specify, whether the siren is to trigger an alarm in case of a burglary with the control unit in Home mode.

- **Trigger alarm in “Arm” mode**

Specify, whether the siren is to trigger an alarm in case of a burglary with the control unit in Arm mode.

- **Siren strobe**

Specify, whether the siren is to flash in case of alarms.

- **Confirmation flash**

Specify, whether the siren is to flash for confirmation, if the status changes (Arm / Home / Disarm).

- **Exit flash**

Specify, whether the siren is to flash for confirmation during the delay when leaving.

- **Entry flash**

Specify, whether the siren is to flash for confirmation during the delay when entering.

- **Trigger flash**

Specify whether the siren is to give a visual signal as well.

- **Volume when arming**

Define the volume of the confirmation sound when arming.

- **Volume when disarming**

Define the volume of the confirmation sound when disarming.

Siren

Sirenen Einstellungen	
Einstellung: Interne Sirene (Zentrale)	Einstellung: Externe Sirene(n)
Einbruch <input type="radio"/> An <input type="radio"/> Aus	Einbruch <input type="radio"/> An <input type="radio"/> Aus
Feuer/Notausgang <input type="radio"/> An <input type="radio"/> Aus	Feuer/Notausgang <input type="radio"/> An <input type="radio"/> Aus
Wasser <input type="radio"/> An <input type="radio"/> Aus	Wasser <input type="radio"/> An <input type="radio"/> Aus
Pers. Bedrohung <input type="radio"/> An <input type="radio"/> Aus	Pers. Bedrohung <input type="radio"/> An <input type="radio"/> Aus
Med. Notfall <input type="radio"/> An <input type="radio"/> Aus	Med. Notfall <input type="radio"/> An <input type="radio"/> Aus

OK Reset

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Siren settings

Setting: internal siren (control unit)

To set the cases, in which the control unit's internal siren is to be activated.

The following options are available for selection:

Burglary, fire/emergency exit, water, personal threat, medical emergency

Setting: external siren(s)

If further sirens were installed in addition to the control unit, you can specify, in which cases they are to be activated. If several external sirens were installed, you cannot

configure them differently, all external sirens sound either the alarm or none of them does.

Similar to the internal siren, the following options are available for selection:
Burglary, fire/emergency exit, water, personal threat, medical emergency

Note:

A possibly installed wireless relay reacts similarly to an external siren. If e.g. the alarm for external sirens in case of burglaries is disabled, then the wireless relay will not apply as well in case of burglary alarm.



Network menu

The Network menu comprises the sub-menus Settings, DNS, UPnP, GSM & SMS, and Cameras.

Settings

In the Network menu, you can define the IP address of the LUPUSEC-XT2. We recommend the default setting “Receive IP address automatically (DHCP)”, if your network includes a router. Thus, the router provides the alarm system automatically with a matching address.

As an alternative, you can define the network settings manually. For this purpose, click on “Use following IP address”.

DNS Flush Period: You can regularly delete the stored DNS addresses and get new IPs from XMPP and Upload. (Please leave this function deactivated).

DNS

In the DNS menu, you can assign a host name to your public IP. Since your provider (e.g. Telekom) assigns a new IP address to your router every 24 hours, you need a DNS host name that is linked to your current IP address. LUPUS offers its own free DNS service. Just use your personal login to the LUPUS-Electronics website in “My Account”. Refer to the end of this manual for more detailed information on the service.

DYNDNS

- **IP CHECK URL:** Do not change <http://checkedip.lupus-ddns.de> to have your current WAN IP address displayed.

You need to enter the following information, if you use a LUPUS DDNS account:

- **DDNS Update Server:** my.lupus-ddns.de (default)
- **Host name:** Enter the host name specified at <http://my.lupus-ddns.de/>. (For a more exact description, please refer to chapter "Remote access via the internet")
- **User name:** Enter the login name of the DDNS website.
- **Password:** Enter the related password.

Apply the changes with OK; reject them with Reset.

UPnP

Enable UPnP: The UPnP function enables the LUPUSEC-XT2 to be visible and

accessible in the local network (Windows 7 or higher), without the necessity to enter the IP address. The network environment shows the system directly.

Enable UPnP Port forwarding: If you enable the port forwarding function and your network router supports UPnP forwarding, the alarm system can directly set up the port forwarding in your router. That means you can access the XT2 via the external port of your router via the internet without configuring the router.

Note:

As an alternative to UPnP method, you can setup standard port forwarding in your router instead. A router configuration is difficult for laypeople, the chapter "Remote access via the internet" or the manual of your router contain some suggestions.

GSM & SMS

The screenshot displays the web interface of the LUPUSEC XT2 alarm system. The top navigation bar includes icons for Home, Zentrale, Sensoren, Netzwerk (highlighted), Einstellung, and System. A secondary bar shows settings for Einstelllungen, DNS, UPnP, GSM & SMS (highlighted), and Kameras. The main content area is titled 'GSM' and contains sections for 'SMS Gateway Einstellungen' and 'SIM-Karten Einstellungen'. The 'SMS Gateway Einstellungen' section includes fields for 'Service:' (set to smstrade.de), 'Key:', and 'Route:' (set to Basic), with 'OK' and 'Zurücksetzen' buttons. Below this is a 'Test SMS' section with fields for 'Empfänger:' and 'Text:', and 'Senden' and 'Zurücksetzen' buttons. A footer note mentions a list of error codes.

In case of an active alarm, the LUPUSEC-XT2 is able to send a text message to a security firm or to any cell phone.

SMS GATEWAY settings

- **Service:**

Enter the login data from your third-party provider. Currently the XT2 supports only "smstrade.de". Further providers will be supported in the future.

Note:

To use the test alert function of the XT2 via the internet, simply go to www.smstrade.de and open a free account. Alternatively, text messages can be sent directly via a SIM card (GSM module).

- **Key:**

Enter the key you assigned to you by smstrade.de (further explanations on the next pages).

- **Route:**

Use only smstrade route “Gold” service, as the sender number does not change with “Gold”.

To use the text alert service (via the internet), you need an account on the website of www.smstrade.de. The registration is free, but every sent text is charged.

The screenshot shows the smstrade.de website. At the top, there is a navigation bar with links: HOME, SMS VERSAND, SMS EMPFANG, WEBPAYMENT, SERVICE, ANMELDEN, and KONTAKT. The 'ANMELDEN' link is highlighted with a red box. Below the navigation bar, there are three main service areas: SMS Versand, SMS Empfang, and Webpayment. Each area has a brief description and a list of features. For example, SMS Versand includes 'Massenversand/Bulk SMS' and 'Lang- & Kurzwahlnummern'. The bottom section of the page features a 'Willkommen bei smstrade' message and a list of 'Ihre Vorteile' (Your Advantages), including 'Höchste Qualitäts-Standards' and 'Über 800 Netze weltweit'.

After you created your account, unlocked it via the confirmation e-mail and logged in, go to the top of the customer area and click on “**Interfaces**”.

The following image including the important “Gateway Key” will be displayed:

HTTP(s)-Schnittstelle

Über die HTTP Schnittstelle können Sie SMS ganz einfach aus Ihren Anwendungen versenden. Versandberichte können Sie via HTTP-Push empfangen. Sollten Sie Fragen zur Implementierung in Ihr System haben, steht Ihnen unser Support gerne kostenlos zur Verfügung.

[PDF Download: HTTP API - Schnittstellenbeschreibung](#)

Gateway Key

mAEMEHN7e2b2c55xf3pahh

Einfach markieren, kopieren und in Ihre Anwendung einfügen.

Ihr Account

Guthaben: 0,000 € [jetzt aufladen](#)

Tarifklasse: 0

Route	Preis pro SMS
Basic SMS:	0,024 €
Gold SMS:	0,055 €
Direct SMS:	0,084 €

Ihre Free Test SMS

Route	Anzahl:
Free Basic SMS:	0
Free Gold SMS:	6
Free Direct SMS:	10

Quicklinks

- SMS Versenden
- Massenversand

Copy this Gateway Key into the field “Key” of the LUPUSEC-XT2:

Service: smstrade.de

Key: mAEMEas232b2c55xf3pahh

Route: Basic

OK Reset

IMPORTANT NOTE: Charges may apply for the usage of third party test message services. Smstrade provides a prepaid service. For further information, please refer to smstrade.de.

IMPORTANT LEGAL NOTICE:

Smstrade is a third-party provider. There are no legal or business relations between LUPUS-Electronics and smstrade. LUPUS-Electronics does not assume any liability for the contents of the third-party website. LUPUS-Electronics does not check, control, or monitor the contents and services provided on the website, including the prices. LUPUS-Electronics does not assume any guarantee, warranty, or liability with regard to the services provided by third parties and their proper use in connection with the LUPUSEC-XT2 as well as with regard to the content, correctness, or legitimacy of the goods, services, and material provided by the third party and the third party website. The text message offers shown above are valid only at the time this manual was printed and may possibly not be up-to-date. The access to third party websites is made at your own risk. The use of third party websites and third party services is subject to the applicable terms and conditions of the respective third party provider, including the applicable privacy policies. You may use any other test message provider together with the LUPUSEC-XT2 at your own risk.

Please note that the time between sending and receiving a text message notification is subject to external technical conditions such as e.g. the mobile network utilization and may therefore vary greatly.

The following is a table listing the most common response codes of Smstrade:

Response	Description	Troubleshooting
10	Recipient number incorrect	Use correct format, e.g. 491701231231
20	Sender ID incorrect	Use a sender with a maximum of maximal 11 alphanumerical or 16 numerical characters
30	Text message incorrect	Use a maximum of 160 characters of text or parameter concat=1

31	Message type incorrect	Delete message type or use one of the following values: flash, unicode, binary, voice.
40	SMS route incorrect	Available routes: basic, gold, direct
50	Identification failed	Check Gateway Key
60	Insufficient credit	Charge credit
70	Network not covered	Choose different route
71	Feature impossible	Choose different route
80	Delivery to SMS-C failed	Choose different route or contact support
100	Text received and sent	

TEST TEXT

This test applies exclusively to sending text messages via smstrade.de.

- **Recipient:**

Enter your mobile number to which you want to send a test text message (via smstrade.de).

- **Text:**

Optionally enter the text of the test message.

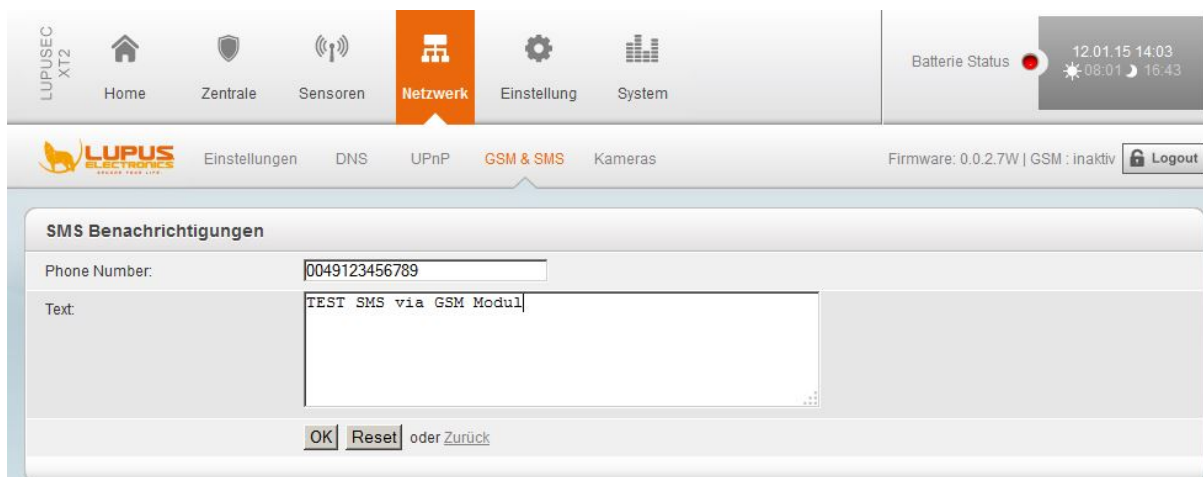
SIM card settings (SMS via GSM)

With the XT2, you can also send short messages via the mobile network (GSM).

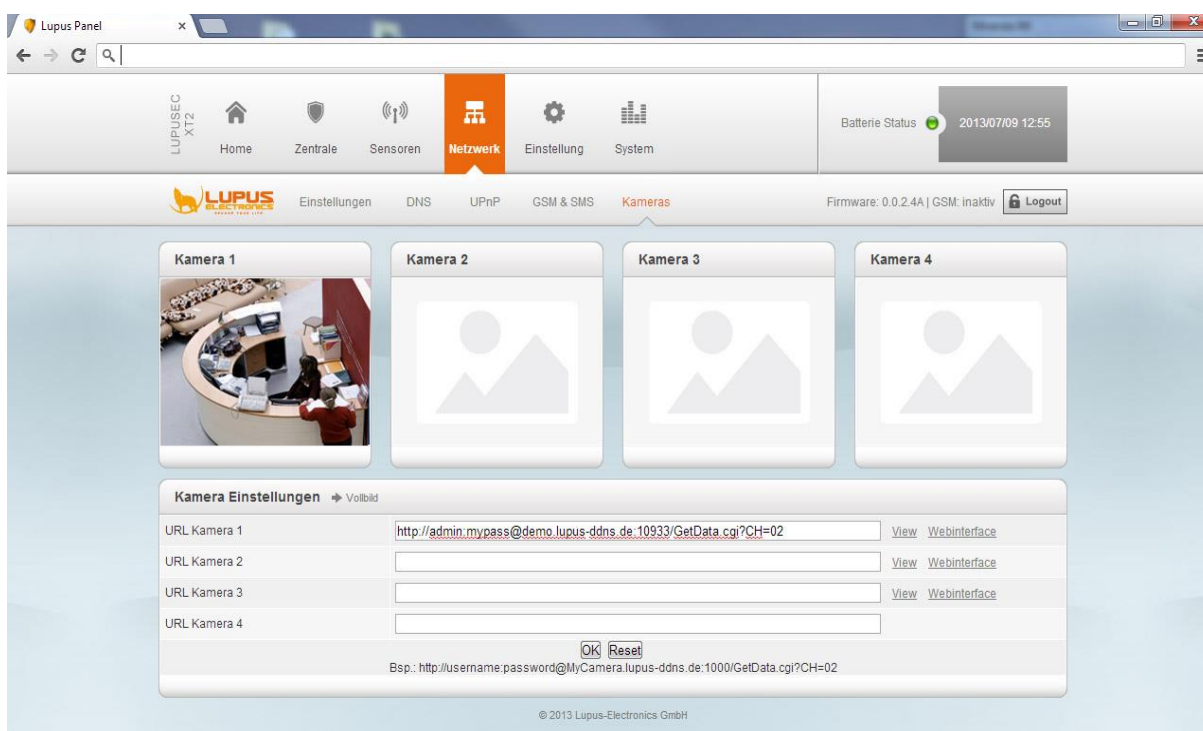
Before you insert a (mini) SIM card on the back of the XT2 control unit, you need to **disable** the **PIN code query** with a mobile phone. Then configure the recipient and events (when to send text alerts) via Setting → Text report → Text notification (see chapter “Report”).

Note:

- Currently (end of 2014), the advanced “SIM card settings” are not supported, and you can ignore the sub-menus GSM, GPRS, MMS, and SMS.
- It is important though to set “Report status of SIM card” to “Yes”, as otherwise it is not possible to send texts via GSM!
- If the XT2 control unit does not recognize the SIM card anymore, e.g. when checking for card credit, disconnect the power supply (including the emergency battery) and restart the control unit.
- To send a test message via SIM card module, go to “Send text...”. A window opens, in which you enter the telephone number and an optional text of the test message as described above E (see “TEST TEXT”).



Cameras



In the Cameras menu, you can integrate all LUPUSNET HD IP cameras as well as the LUPUSTEC-LE800+ and LE800 D1 series into the LUPUSEC-XT2. You can add a maximum of four cameras. In theory, you can show pictures from any camera/recorder, if the device has an MJPEG path, which you need to enter. Please refer to the product manual in this regard or contact the product manufacturer.

- To add a **LUPUSNET HD IP camera**, enter a link according to the following syntax in one of the „URL camera“ boxes:
http://Username:Password@Camera-IP-ADDRESS:PORT/GetData.cgi?CH=Streamnumber

Example of a camera integration:

User name: admin

Password: admin

IP address: test.lupus-ddns.de
 Port: 10030
 Stream 2: ?CH=2

In the example, the link needs to look as follows:

<http://admin:admin@test.lupus-ddns.de:10030/GetData.cgi?CH=2>

The command “/GetData.cgi” shows the camera’s JPEG stream, which transmits at up to 25 frames/second. If the data volume is too big for your local network, you can downsize the stream to a refreshment rate of one picture every three seconds. For this purpose, use the following extension: “/GetImage.cgi?Size=640x480”

In our example, the link would look as follows:

<http://admin:admin@test.lupus-ddns.de:10030/GetImage.cgi?Size=640x480>

To add the image of a **LUPUSTEC recorder** (LE800 Plus or D1 series), use the following syntax:

http://Username:Password@DVR-ADDRESS:PORT/cgi-bin/net_jpeg.cgi?ch=Videochannelno.

Example of a video recorder:

User name: test

Password: test

DVR address: test.lupus-ddns.de

Port: 10001

Camera image/channel 1: /cgi-bin/net_jpeg.cgi?ch=0

Note:

To integrate an analog DVR, always subtract 1 from the required. Channel 4 corresponds to ch=3, channel 1 ch=0.

In our example, the link then looks as follows:

http://test:test@test.lupus-ddns.de:10001/cgi-bin/net_jpeg.cgi?ch=0

Caution:

- Do not use Microsoft Internet Explorer, because it causes problems with the camera image display.
- If you have any difficulties to implement your cameras, please do not hesitate to contact our support hotline by calling 0049-6341-93 55 30!
- The PIR network camera is not integrated via the Cameras menu, but as a sensor.



Settings menu

Comprises the sub-menus Contact ID, Control unit, Special codes, SMS report, E-mail, and Upload.

Contact ID

To use the “Contact ID” menu, you must make use of a third party security service. The security firm will be connected via Contact ID to the LUPUSEC-XT2, informed about any important status changes, and can react immediately.

#	Reporting URL	Level	Gruppe 1	Gruppe 2	Gruppe 3	Gruppe 4	Gruppe 5
1	<input type="text" value="gsm://testacc@0179 999 999 9"/>	<input type="text" value="Alarm Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="text" value="rptn://1234@86 212 94 100"/>	<input type="text" value="Alle Ereignisse"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20	<input type="text"/>	<input type="text" value="Alle Ereignisse"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
			<input type="text" value="Essentiell"/>	<input type="text" value="Essentiell"/>	<input type="text" value="Essentiell"/>	<input type="text" value="Essentiell"/>	<input type="text" value="Essentiell"/>
			<input type="text" value="99 Wiederholen"/>	<input type="text" value="99 Wiederholen"/>	<input type="text" value="99 Wiederholen"/>	<input type="text" value="99 Wiederholen"/>	<input type="text" value="99 Wiederholen"/>

The “Contact ID” menu provides altogether 20 boxes, in which you can enter the address of the security firm/control centre as well as its respective priority. The LUPUSEC-XT2 for this uses the customary “Contact ID over IP” protocol. If your control centre does not support this or requires modifications, please contact our support service.

- **Reporting URL**

Create the contact ID address to be used according to the following pattern:

rptn://ACCT@server:port (for reports via the internet)

gsm://ACCT@telephoneno (for reports via GSM)

sms://ACCT@telephoneno/TEXT (sends a text message via GSM)
 msgw://ACCT@telephoneno/TEXT (sends a text message via SMSTrade.de)

- **ACCT**

ID or customer number, with which the alarm system is registered at the security service

- **Server**

The IP address of the security service server

- **Port**

The assigned port of the security service

- **Example:** rptn://123456@94.214.112.83:2280

The security firm can thus be informed about status changes of the LUPUSEC-XT2.

- **Level**

Specify when to transmit a report

- All events: Each status change and alarm will be transmitted.
- Alarm events: Only alarms will be transmitted.
- Status events: Only changes of state and status will be transmitted.

- **Group**

You can subdivide different reporting channels and recipients into up to five different groups. These groups will be alerted according to the given sequence in case of an active alarm.

- **Essential**

The XT2 will try to reach all recipients marked as “Essential” until the report is sent successfully. Group 1 is always set to “Essential”.

- **Optional**

The XT2 will send to all recipients marked as “Optional” only, if the delivery of the message to the previous reporting group has failed.

Note:

If you use Essential for all reporting channels, then only one reporting channel with the priority sequence rptn → gsm → msgw → sms will be started.

Contact ID syntax

The “Contact ID” protocol serves to identify status changes and alarm messages of your LUPUSEC-XT2 alarm system. Each status change can thus be reported by text message, e-mail or TCP/IP to the security firm. The security firm needs a suitable software supporting “Contact ID over IP”. If your control centre does not provide this support, we are glad to help you with the integration.

The event codes are sorted by groups:

Group 100: Alarms

100, "Medical emergency alarm"
 101, "Emergency alarm"
 110, "Fire alarm"
 111, "Smoke alarm"
 114, "Heat alarm"
 120, "Hold-up alarm"
 121, "Panic alarm"
 122, "Silent alarm"
 130, "Burglary"
 131, "Burglary (perimeter)"
 132, "Burglary (indoor)"
 136, "Burglary (outdoor)"
 147, "Sensor failure"
 154, "Water alarm"
 158, "High temperature"
 159, "Low temperature"
 162, "CO alarm"

Group 300: Errors

301, "Power loss"
 302, "XT2 low battery"
 311, "XT2 defect battery"
 344, "Radio interference"
 374, "Arm despite error"
 380, "Sensor problems"
 383, "Sensor tampering"
 384, "Battery low"
 389, "Self-test error"

Group 400: Status

400, "Arm/disarm remote control"
 401, "Arm/disarm user"
 407, "Arm/disarm keypad"
 408, "Arm/disarm set/unset"
 456, "Home mode"
 465, "Alarm reset"

Group 500 + 600: Bypass / deactivations

570, "Zone bypass"
 602, "Recurrent test"
 616, "Call request"

Example of Contact ID syntax:

The account 1234 reports a perimeter alarm in zone 15 of area 1:
 <1234 18 1131 01 015 8>

1234 = Account at the security firm
 18 = Identification of a report via „Contact ID“
 1131 = The first digit (here: 1) stands for “New event”, followed by the **event code**:
 131, which stands for a perimeter alarm
 01 = Area number
 015 = Zone number
 8 = Check sum

Control unit

Use this menu to define the general settings, area and alarm settings as well as date and time settings of the XT2.

The screenshot displays the 'Einstellung' (Settings) menu of the LUPUS XT2 control unit. The interface features a top navigation bar with icons for Home, Zentrale, Sensoren, Netzwerk, and Einstellung (highlighted). A status bar on the right indicates 'Batterie Status' with a red indicator and the date/time '2014/03/19 10:07'. Below the navigation bar is a secondary menu with options like Contact ID, Zentrale, Sondercodes, SMS Report, E-Mail, Upload, Sprache, and Firmware. The main content area is titled 'XT2 Zentraleneinstellungen' and contains a section for 'Generelle Einstellungen' with various dropdown menus for settings like power failure reporting, power save mode, and alarm settings. At the bottom of this section are 'OK' and 'Reset' buttons. Below the main settings section are expandable sections for 'Area Einstellungen' and 'Datum und Uhrzeit'.

General settings

- **Report power failure via Contact ID**

Specify the time, after which the control unit is to report the power failure via Contact ID.

- **Power save mode in case of power failure**

Specify the time, after which the control unit is to enter the power save mode in case of power failure. It ends immediately in case of alarm.

- **Exit power save mode with charged battery after power failure**

Specify the time after the power failure, after which the control unit is to leave the power save mode again, if the battery status is normal.

- **Exit power save mode with low battery after power failure**

Specify the time span after the power failure, after which the control unit is to leave the power save mode again, if the battery status is low.

- **Report radio interferences**

Enable this function (as of 1 or 2 minutes), if the control unit is to report radio interferences by e-mail, text message, or contact ID. No audio warning will sound.

- **Audio warning in case of network failure**

Specify, whether you want to hear a regular audio warning with the network connection deactivated or unused.

- **Automatic status report to security firm**

Specify the intervals, at which the control unit is to report the status to the security firm, which thus recognizes that the XT2 is online.

- **Waiting time after switch-on**

Specify, how long the control unit has to wait until it sends the first status report to the security firm after it was switched on.

Area settings

- **Area settings**

Specify to which are the following settings shall apply.

Main settings

- **Final Door**

Enable this option, if the last door contact detected open is to arm the system automatically when closed, even though the delay would still be active.

- **Arming in case of error**

- **Confirm:** If the system is armed irrespective of errors (system errors, batteries, power supply, PSTN, SMS, IP-PING, GSM, open detectors or general status of detectors), an error message is displayed and two short audio signals emitted – the system remains disarmed. If you arm the system again within 10 seconds, then the system is armed irrespective of the errors.

Note:

The errors are listed in the menu "Control unit" → „XT2 status“.

- **Force:** The system is armed directly irrespective of errors in the system (tamper, battery, open door, etc.).
- **Tamper alarm**
 - **Full Arm:** The sirens will sound in case of tamper alarm only in Full Arm mode. They remain silent in all other modes (Disarm, Home 1-3).
 - **Always:** The sirens will sound in case of tamper alarm in every mode.
- **Sensor check (supervisor)**
Specify, whether the pain panel is to check the sensor status.

Time settings

- **Sensor check timer**

The control unit receives status information from the sensors at regular intervals. If the system does not receive information within this interval, an automatic log entry will be created. Specify the intervals for the system to check the sensors here.

- **Delay (1 and 2) upon entry**

If someone enters the house with the XT2 armed, you may need a certain time to deactivate the system with e.g. the XT keypad. You can specify this delay here. This works only with sensors with the attribute "Arm response" (see chapter "Edit"), "Entry Delay 1 or 2" is active. Sensors with the attribute "Burglar alarm instant" will always trigger an alarm immediately.

- **Delay upon exit**

If you arm the alarm system e.g. to leave the house, you may need a certain time to leave the house and to close and lock the main door. You can specify this delay here. After the delay has expired, the system will be armed.

Note:

In addition, "Ignore exit delay" must be ticked for each sensor (in every mode) in the sensor list, which is not intended to trigger the alarm during the delay upon exit as described in the Edit sensor menu.

- **Delay 1 / 2 upon entry (home modes)**

If the home mode is active and a sensor with Home (1, 2, or 3) response set → Delay upon entry 1 / 2 is triggered, the alarm is transmitted only after the time specified here to give you the time to disarm the XT2.

- **Delay upon exit (home modes)**

If the Home mode is activated e.g. via the keypad, you will usually need time to leave the house or premises. You can set the delay before the alarm is triggered here. Please observe the note under "Delay upon exit".

- **Alarm duration**

This item refers to the alarm duration of **all** integrated sirens. You can specify the maximum alarm duration, if an alarm is triggered and the sirens are activated. If the control unit is disarmed again, the acoustic alarm goes off.

Note:

If the alarm duration of an external siren is set shorter with the DIP switches (SW3+4), as described in this section, then the audio alarm of the external siren will end early. Vice versa, the alarm duration of an external siren will end early with the maximum alarm duration as described, if the DIP switches (SW3+4) are set to a longer alarm duration. If the alarm duration is “disabled”, **all** integrated sirens remain off.

Sound settings

These settings concern the internal siren of the control unit and additionally integrated external siren(s). However, you can change only the volume of the internal siren, external sirens can be switched on or off only (their volume remains constant). It is impossible to configure external and internal sirens separately.

- **Ring tone for entrance area**

Enter the volume of the doorbell.

- **During delay upon entry (Arm mode)**

Enter the volume to signal the delay upon entry.

- **During delay upon exit (Arm mode)**

Enter the volume to signal the delay upon exit.

- **During delay upon entry (Home mode)**

Enter the volume to signal the delay upon entry.

- **During delay upon exit (Home mode)**

Enter the volume to signal the delay upon exit.

- **Audio warning at the end of the delay**

Enter, how many seconds you want to hear the sound before the end of the previously defined delays (see above).

Example:

If you entered 5 seconds, a warning sound (countdown) will start to sound for the last 5 seconds only before the end of the delay. If you activate **Continuous**, the warning sound will sound for the entire duration of the delay.

- **Alarm while disarmed**

This option is “On” by default. If this setting is active, then the internal siren of the control unit and additionally integrated siren trigger an acoustic alarm, even though the control unit is disarmed. This includes every alarm that is not silent, e.g. panic alarm or 24 h smoke alarm. You can see which sensors are set to 24 h via Sensors → List → Alarm overview. If you want to be informed only by e-mail, text message, contact ID, but not in an acoustic way, set the option to “Off”.

Date and time

General

- **Date**

Enter the current date (YYYY/MM/DD).

- **Time**

Enter the current time (HH:MM). Click on **“Now”** to use the current time of your PC.

- **Time zone**

Enter your current time zone. GMT+1 is used in Germany.

- **City**

Choose the nearest city from a drop-down list to get the current time of sunrise and sundown. You can select these times from the Automation menu!

- **Latitude / longitude**

As an alternative to selecting the city, you can enter the exact coordinates of your location to get the exact times of sunrise and sundown.

- **Day/night cycle**

Shows today's time of sunrise/sundown.

- **Display below time**

With this option active, the time of sunrise/sundown is displayed in the top right corner of the browser interface.

Internet timeserver

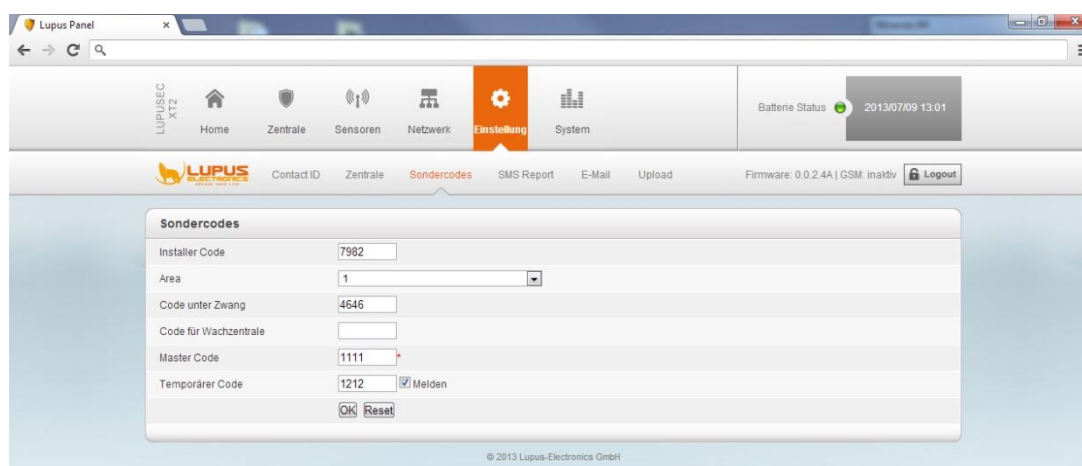
- **Automatic synchronisation with internet time server**

With this option active, the time of the LUPUSEC-XT2 synchronizes regularly with the specified internet timeserver (if available).

- **Server**

Select a timeserver from the list to synchronize the current time with.

Special codes



Use the “Special codes” menu of the LUPUSEC-XT2 to enter the “Silent alarm code” and the “Security firm code” as well as the “Temporary code” via the keypad.

- **Area**

Enter the area to which the following codes shall apply.

- **Security firm code**

Enter a code for the control room of the security firm.

- **Silent alarm code**

If you are forced to enter the code, you can enter the silent alarm code instead of the standard PIN code. This will stop the audio alarm – if active – and still transmit alarm messages through all channels. That means: all alert methods (e-mail, text message, or contact ID) remain or are active.

- **Temporary code**

This code is valid only once and disarms the alarm system. Tick the “Notification” option, if you want to be notified in case the code is used.

Report

In this menu, you can define whether the control unit shall notify you in case of alarms, status changes or all events. You can either send text message reports via GSM / internet or by phone (via SIM card).

You can also choose several methods in parallel to reduce the risk of failures.

Telefonnummer	Optionen	Bedingung
1. 0177123456	via Internet <input checked="" type="checkbox"/> Textformat	Alle Ereignisse <input type="checkbox"/> Medizinischer Alarm
2. 5555@56554	via GSM <input checked="" type="checkbox"/> Textformat	Status Ereignisse <input type="checkbox"/> Batterie schwach, Funkstörung, Op...
3. 016012345678	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input type="checkbox"/> Medizinischer Alarm, Notfallalarm, ...
4.	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input type="checkbox"/> [Select all]
5.	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input checked="" type="checkbox"/> Medizinischer Alarm
6.	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input checked="" type="checkbox"/> Notfallalarm
7.	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input type="checkbox"/> Feuchalarm
8.	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input checked="" type="checkbox"/> Rauchalarm
9.	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input type="checkbox"/> Überfallalarm
10.	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input type="checkbox"/> Nötigungsalarm
11.	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input checked="" type="checkbox"/> Stiller Alarm
12.	via GSM <input type="checkbox"/> Textformat	Alle Ereignisse <input type="checkbox"/> RC Panik

You can specify altogether 20 recipients. To use this function, you need to open an account at Smstrade for the delivery via the **internet** or install a SIM card without SIM lock (PIN query deactivated) and with sufficient credit for the delivery via the **GSM** module. For further information, refer to chapter „Network → GSM & SMS“.

- **Telephone number**

Enter a valid telephone number to call by text message/phone. If this is the number of a security firm, enter your account number before that (e.g. 1234@0177123456).

- **Options**

- “via GSM” (SIM card) → Text alarm via GSM module
- “via Internet” (LAN connection) → Text alarm via smstrade.de
- “Phone call” (SIM card) → Phone call via GSM module

- **Text format**

Tick “Text format”, if an actual text message is to be sent to the recipient (e.g. area 1, zone 12, kitchen door: burglary). If the option is not ticked, the message is sent in contact ID format. (e.g. 1234 18143154611). For further information on the contact ID format, please refer to the end of this manual.

Note:

If the Phone call option is active, you do not need to activate Text format.

- **Condition**

You can choose from a drop-down menu, whether the XT2 is to send text messages in case of status events, alarm events or all events. Additionally, you can further specify these events in the drop-down menu to the right. This menu applies filters; the unticked events are not reported by text message.

Example:

To send a text message only in case of medical alarm via the **internet**, enter the following sample command (**valid, charged smstrade.de account required**):

Phone number: 0177123456 "Via Internet" "Text format" "All events" "Medical alarm"

Note:

In most mobile phones like iPhone or Samsung Galaxy, you can set the ring tone for text messages, the volume as well as the number of repetitions of the alert sound to make sure that you do not miss any notification.

E-mail

The LUPUSEC-XT2 is able to send e-mails in case of alarms. You can have them sent to the security firm and to your private e-mail addresses. Please observe that the time between sending and receiving a notification e-mail is subject to external technical conditions, e.g. network utilization or similar, and may vary greatly.

E-Mail	Text	Bedingung
1. maxmustermann@mail.de	TEST	Alle Ereignisse
2.		Alle Ereignisse
3.		Alle Ereignisse
4.		Alle Ereignisse
5.		Alle Ereignisse

E-mail recipient:

Enter the recipient's e-mail address, an optional text and a condition (e-mails to be sent at which events) in maximally five lines.

Example:

To receive an e-mail in all events without filtering events:

E-mail: maxmustermann@mail.de, Text: TEST, "All events", no further filters

E-mail settings:

To store the account details of the used e-mail provider.

- **Server**

To enter the SMTP settings (e.g. smtp.emailservice.de) of the used e-mail provider. You can integrate them either directly from your e-mail provider or e.g. by means of a search engine (Google, Yahoo, etc.).

- **Port**

Enter the port of your SMTP server (standard port 25).

- **User**

Enter your e-mail user name (e.g. events). Often, the complete e-mail address is entered.

- **Password**

Enter the password of your e-mail account.

- **Sender address**

Enter your complete sender e-mail address.

- **SSL**

Some e-mail providers use Secure Sockets Layer (SSL). In that case, tick this option. Please note that the port used changes as well (usually to 465).

Test e-mail:

Use this function to verify the correctness of your account details. The e-mail address is not permanently stored. The e-mail is sent by pressing "Send".

Example for a T-Online account:

SMTP settings

Server	securesmtp.t-online.de
SMTP port	465

User name	Your T-Online e-mail address
Password	Your T-Online e-mail password (not the password for the customer centre!)
Sender	Your T-Online e-mail address
SSL	Tick

Example for a GMAIL account:

SMTP settings

Server:	smtp.gmail.com
SMTP port	465
User name	Your Gmail e-mail address
Password	Your Gmail e-mail password
Sender	Your Gmail e-mail address
SSL	Tick

Note:

Not every e-mail provider is supported. We tested the following successfully in autumn 2014: T-Online, Gmail, Hosteurope, and Yahoo.

Upload

The screenshot shows the 'Medien Upload' configuration page in the LUPUSC XT2 web interface. The top navigation bar includes icons for Home, Zentrale, Sensoren, Netzwerk, and Einstellung (which is the active menu). The 'Medien Upload' section contains five input fields for URLs (URL 1 to URL 5) and a Prefix field. Below these is a checkbox labeled 'Ereignis nach dem Upload löschen.' and buttons for 'OK' and 'Reset'. A 'Hinweise:' section lists five instructions for different upload methods. The bottom of the page shows the copyright notice '© 2013 Lupus-Electronics GmbH'.

Use the Upload menu to send images recorded by the PIR network cameras directly by e-mail or to upload them to a FTP server. For this purpose, enter an e-mail address or the address of the FTP server.

Example:

- FTP: ftp://user:password@server/path
- E-mail: mailto:user@abc.com

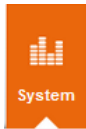
Tick the option “Delete event after upload“, if you want to delete the images of the PIR cameras from the XT2 after the FTP upload. Save the settings with OK or reject

the changes with Reset.

Language

The screenshot shows the LUPUS XT2 web interface. The top navigation bar includes icons for Home, Zentrale, Sensoren, Netzwerk, **Einstellung** (highlighted), and System. The right side shows 'Batterie Status' with a red indicator and the date/time '2014/03/19 09:23'. Below this is a secondary navigation bar with links: Contact ID, Zentrale, Sondercodes, SMS Report, E-Mail, Upload, **Sprache** (highlighted), Firmware: 0.0.2.6E | GSM : inaktiv, and a Logout button. The main content area is titled 'Spracheinstellung' and contains a 'Sprache:' label, a dropdown menu currently showing 'Deutsch', and two buttons: 'OK' and 'Reset'.

Use the Language menu to change the set language of the XT2. When you press OK, the language is applied immediately and without restarting the system. You can choose between German, English, French, Spanish, and Italian. Only the language of the currently used web interface is changed. The default language is German.



System menu

This menu contains the additional system settings to change user name and password, save the control unit settings, execute firmware updates (admin only), and to inspect the log files of the XT2.

Password

Use this menu to change the password of the logged on user. The administrator can change all user names and the related passwords.

The default standard access details are:

- **User name: admin, password: admin1234**

The administrator can configure all XT2 settings. Only he can change network settings and system settings (firmware, backup, default settings).

- **User name: expert, password: expert1234**

Provides all the required right for experts. You can change the important system settings (add/edit sensors). The user can change neither network nor system settings.

- **User name: user, Password: user1234**

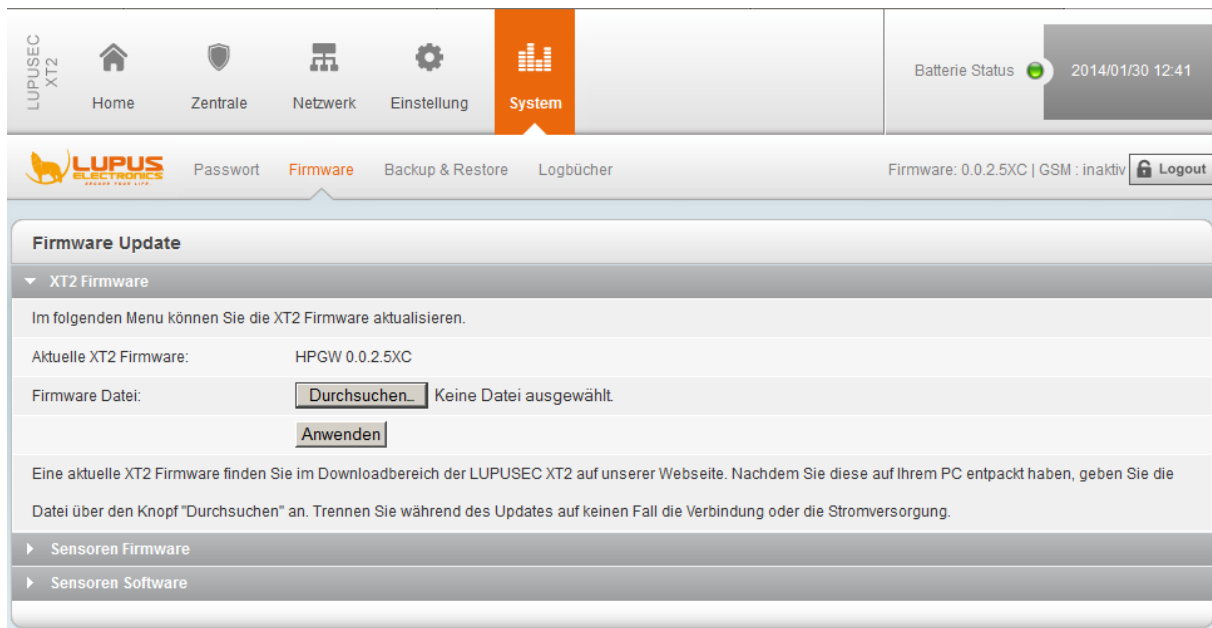
Provides rights for unexperienced users.

Note:

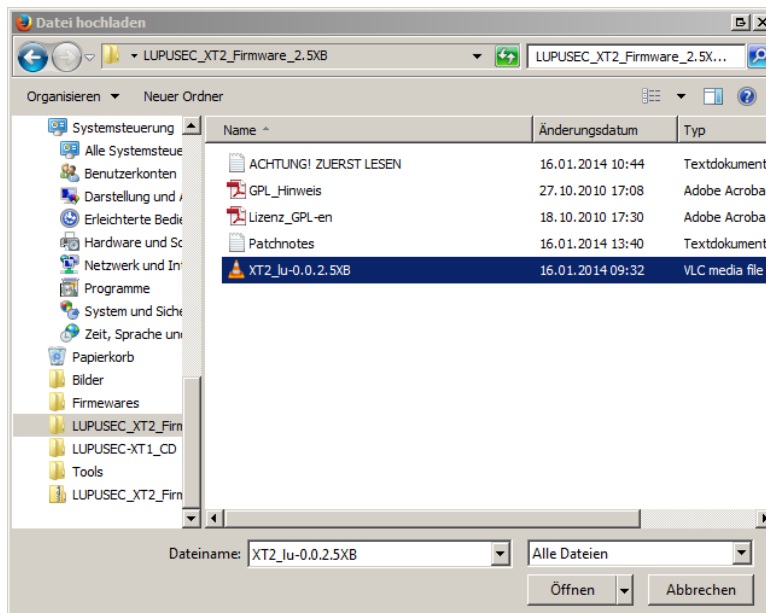
User name and password (each) must consist of three characters minimum and must not exceed 20 characters (in total).

Firmware

The Firmware update menu is available only for the administrator account.



Use the menu to update the system software, the sensor firmware, and the sensor software. For this purpose, click on “Search” and then enter the unpacked firmware file for LUPUS XT2 alarm system on your PC.



Caution:

Click on Apply **ONLY ONCE!** Observe the text “Caution! Read installation notes first!” supplied with the firmware. The connection must not be interrupted during the update process. Do **not** execute updates via the internet! Wait until the process is completed (approx. 1 to 2 minutes), before you take any further PC action. Updates are always at your own risk.

Backup & Restore

The screenshot shows the LUPUSEC XT2 web interface. The top navigation bar includes icons for Home, Zentrale, Netzwerk, Einstellung, and System (highlighted). A right sidebar displays 'Batterie Status' and the date/time '2014/01/30 13:03'. Below the navigation bar, the 'Backup & Restore' tab is active, showing options to 'Konfiguration Sichern' (Save Configuration) and 'Konfiguration Wiederherstellen' (Restore Configuration). The 'Save Configuration' section has a 'Herunterladen' button. The 'Restore Configuration' section has a 'Durchsuchen...' button and a 'Start' button. Below these, there is a 'Werkseinstellungen' (Factory Settings) section with a 'Reset' button and a checkbox for 'Netzwerkeinstellungen behalten' (Keep network settings). The footer of the interface shows '© 2013 Lupus-Electronics GmbH'.

- **Save configuration file**

To save a BIN file containing all the XT2 settings (sensor list, configuration).

- **Restore configuration file**

To restore a configuration file, select the file via “Search” and then click on “Start”. The settings are applied after restart.

- **Default settings**

Use this menu to reset all settings to default. The sensors will be deleted as well. If you want to keep the network settings, tick the option “Keep network settings”.

Note:

- We recommend saving a configuration file of the XT2 settings after having integrated all sensors.
- It is impossible to save the configuration of PSS devices (wireless sockets, in-wall relays), PIR network cameras, mini indoor siren, and temperature sensors. They need to be integrated again after Reset.
- A **Hardware Reset** including the deletion of all connected sensors is executed as follows: Disconnect the XT2 entirely from the power supply (remove power supply unit and deactivate the emergency battery on the back). Then hold the “Learn Button” on the back of the device pressed and reconnect the power supply unit of the control unit. All three status LEDs of the XT2 will flicker after about 30 to 40 seconds, then release the “Learn Button”. The control unit is completely reset.

Log files

The log files of the LUPUSEC-XT2 contain information about the system booting process as well as all network accesses and status reports of the network services.

LUPUSEC XT2	Home	Zentrale	Sensoren	Netzwerk	Einstellung	System	Batterie Status	16.10.14 12:04 07:48 18:32
LUPUS ELECTRONICS	Passwort	Firmware	Backup & Restore	Werkseinstellung	Logbücher	Firmware: 0.0.2.7U GSM : aktiv	Logout	
Logbücher ➔ Neu laden System Log Datei								
Ereignismeldungen								
Systemereignisse								
Gemeldete Ereignisse								
Datum - Zeit	Area	Zone / Benutzer	Trigger / Restore	CID Code	Meldung	Status	Hinweis	
16.10.2014 11:12:17	0	0	Auslöser	602	Periodischer Test	OK		
16.10.2014 08:13:10	1	4	Wiederhergestellt	147	Sensor OK	OK		
16.10.2014 06:04:35	1	4	Auslöser	147	Sensorausfall	OK		
16.10.2014 02:04:34	1	4	Wiederhergestellt	147	Sensor OK	OK		
16.10.2014 00:16:42	1	4	Auslöser	147	Sensorausfall	OK		
15.10.2014 23:12:11	0	0	Auslöser	602	Periodischer Test	OK		
15.10.2014 20:16:41	1	4	Wiederhergestellt	147	Sensor OK	OK		
15.10.2014 18:16:07	1	4	Auslöser	147	Sensorausfall	OK		
15.10.2014 11:44:20	1	4	Wiederhergestellt	383	Sabotagealarm beendet	OK		
15.10.2014 11:44:06	1	4	Auslöser	383	Sabotagealarm	OK		
15.10.2014 11:43:54	1	4	Wiederhergestellt	383	Sabotagealarm beendet	OK		
15.10.2014 11:43:44	1	4	Auslöser	383	Sabotagealarm	OK		
15.10.2014 11:43:43	1	4	Wiederhergestellt	383	Sabotagealarm beendet	OK		

Event report:
Contains the important sensor and system reports.

System event:
Lists all the important system events, in particular error messages.

Reported events:
Contains all the reports sent by contact ID.

Remote access via the internet

The LUPUSEC-XT2 enables you to retrieve and control the status of the entire system via the internet or an iPhone / iPad or Android mobile phone. Even the pictures from your LUPUS cameras or recorders can be shown at a central interface.

To be able to access the XT2 via the internet, check the following item beforehand:

1. Is the alarm system already connected to the router and do you have access from your local computer?

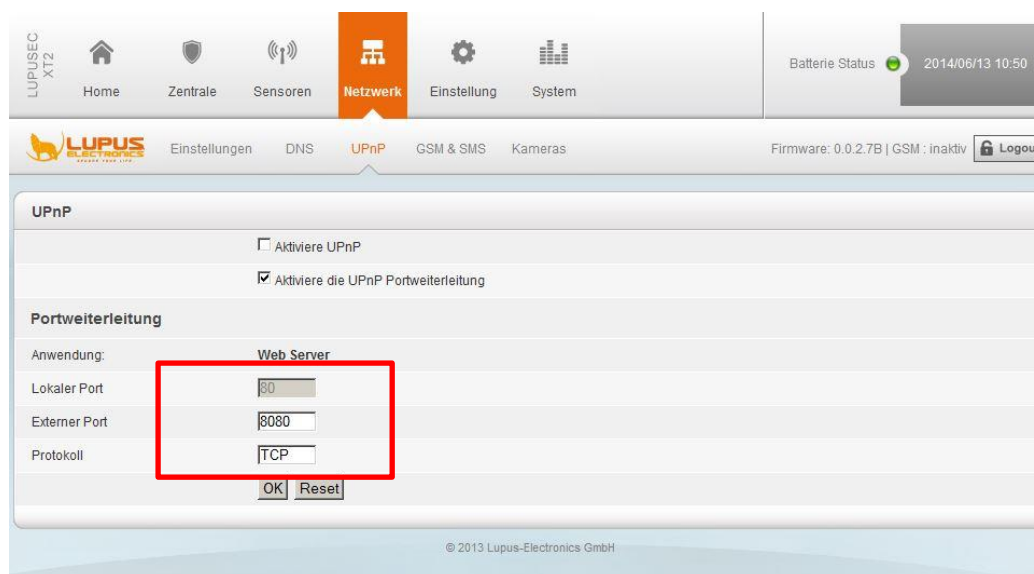
If no, please proceed according to the chapter "Connect the control unit".

2. Did you create a fixed address for the internet access in your account at our website www.lupus-electronics.de?

Example: mueller.lupus-ddns.de

- If no, please refer to the description of our DDNS service below. Alternatively, you can use any other provider such as www.dyndns.com and www.no-ip.de or let your internet provider assign you with a fixed IP address.
- If yes, open the XT2 website and go to the menu "Network" → "DNS". Enter your DDNS data accordingly in the DDNS menu at the LUPUS website.

If your router is state-of-the-art and supports UPnP, you can activate the service in the "UPnP" menu of the XT2:



If your router does not support or has not activated UPnP, an error message is displayed.

Now you can access the system from the browser of your PC, laptop, or mobile phone as in the following example:

<http://mueller.lupus-ddns.de:8080>

If your does not support UPnP, open the configuration menu of the router:

In most of the cases, open the login page of your router by entering your standard gateway address (gateway to the internet) in the web browser.

You get this gateway IP address through Windows Clients by clicking on Start and then entering “**CMD**” in the “Execute” or “Search” text box (alternatively Windows key + R). A panel opens, in which you enter “**ipconfig**”. The result is the overview of your network adapters, the associated IP addresses, and the standard gateway.

Search the configuration menu in the router, which is usually located in the network settings, to create a port forwarding (NAT). For a port forwarding, the (local) IP or the name of the security firm control centre, the external port (in our example: 8080) and the internal port 80 (not editable) of the control unit room must be entered.

In case of a Fritz-Box, the menu is located at “Internet” → “Clearance”.

If you executed both entries – DDNS and port forwarding – correctly, you should now be able to access the XT2 from the outside (internet) using your DDNS address in a web browser.

A browser entry may look as follows:

<http://mydyndnsname.homeip.de:externalportnumber>

or: <http://mueller.lupus-ddns.org:8080>

Note:

- To access the control unit via the internet, it is required that your ISP (Internet Service Provider) supplies you with a unique IP address. Access / port forwarding via cells / AP (UMTS / LTE etc.) may not be possible and should be clarified with the ISP beforehand.
- If you have any questions or problems, please do not hesitate to contact our support service at any time (+49 (0) 63 41 - 93 55 30).

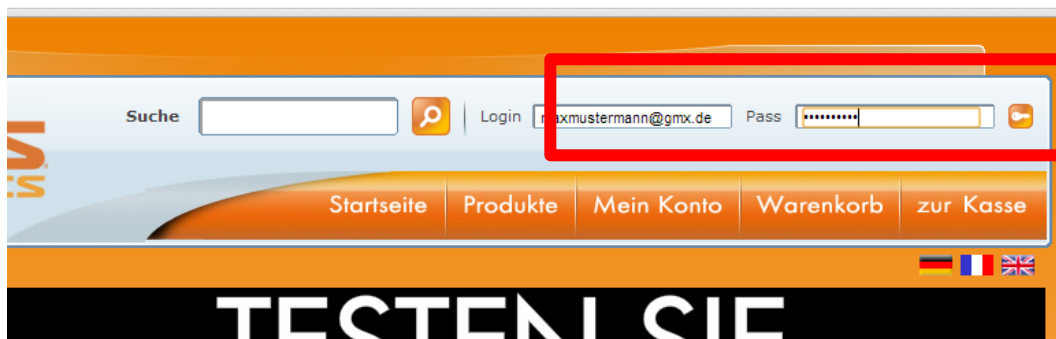
Create Dynamic DNS account

As of late, LUPUS-Electronics is pleased to offer its own Dynamic DNS service, which is required to access your alarm system, cameras, and recorders externally. To create a DDNS address for external access, please proceed as follows:

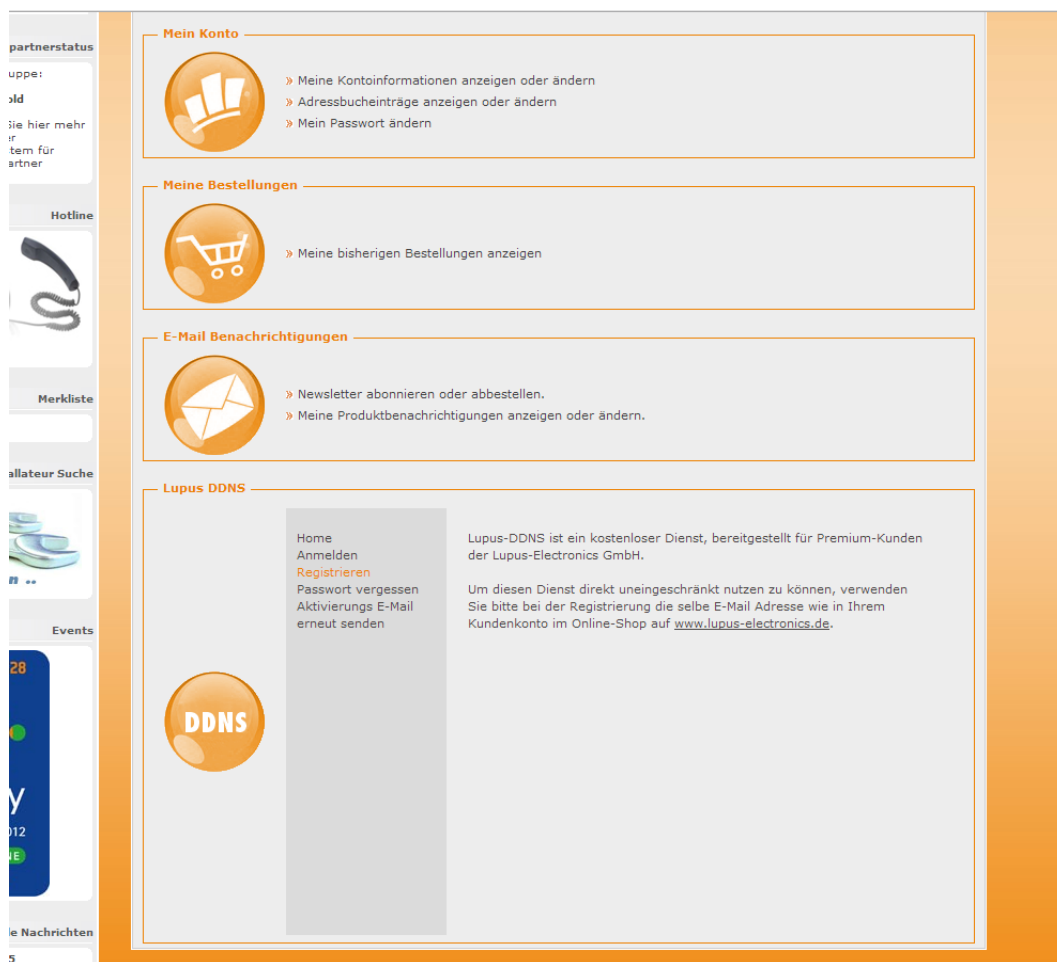
1. Open the LUPUS website: <http://www.lupus-electronics.de>.



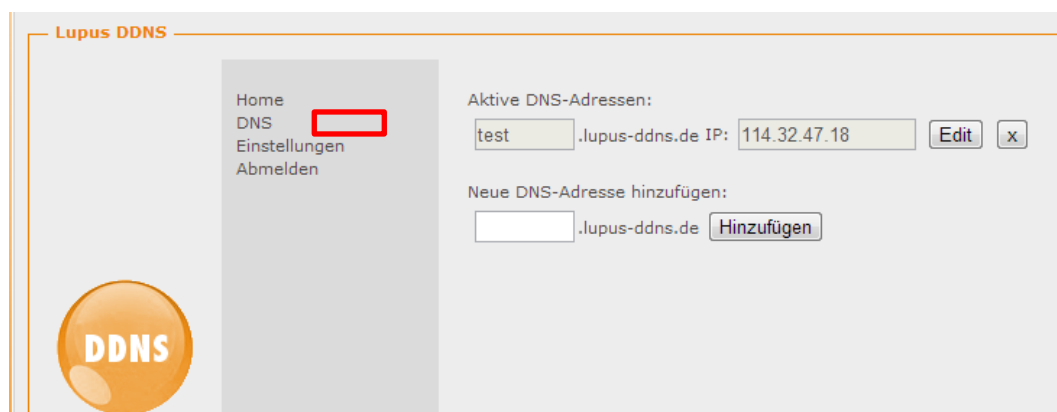
2. Log in to your e-mail account with your address and password. If you do not have an account with us yet, please create one by pressing the button "My account".



3. Then click on "My account".
4. Your account status contains the "Lupus DDNS" section further down:



5. Click on "Register" and **enter the same e-mail address that you used to log into your LUPUS account before.**
6. Activate your account by means of the link you received by e-mail.
7. Log in using your user name and password.
8. Click on "DNS" in the DDNS menu:



9. Enter a name in "Add new DNS address", which you want to use to access your alarm system, IP camera, or recorder later via the internet. In our example, we entered "test".

**Your host name for remote access therefore is:
„test.lupus-ddns.de“**

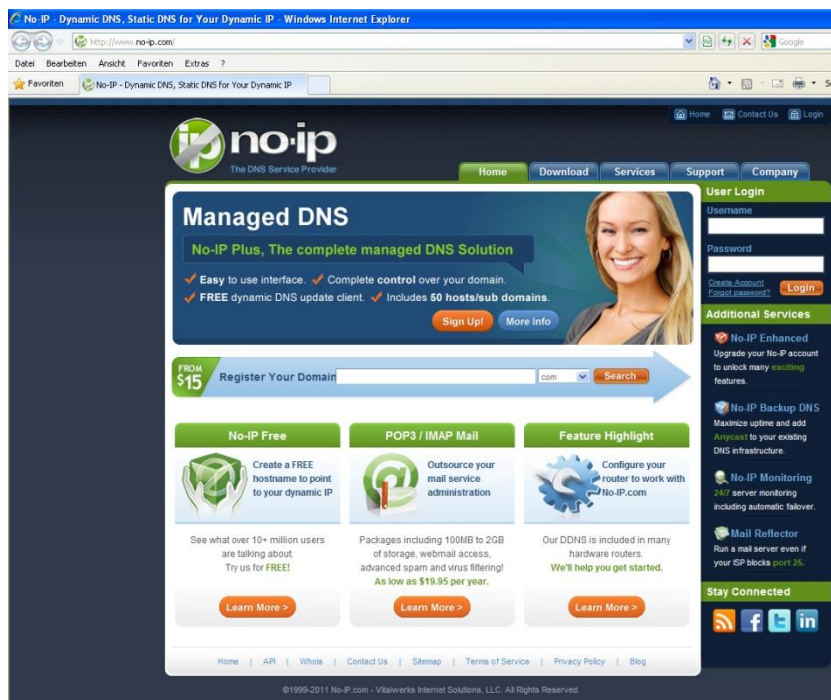
Enter this host name together with your DDNS user name and your DDNS password in the XT2 menu “Network” → “DNS“. Use “my.lupus-ddns.de” as the update server. Then tick both options in the “UPnP” menu.

Now you can access the alarm system from your browser via the internet via the following link: test.lupus-ddns.de:8080.

Alternatively, to our service, you can also choose a public provider such as www.no-ip.com or ask your internet provider for a fixed WAN IP address:

Open the website <http://www.no-ip.com>.

1. Click on “Create Account” to create a free account.



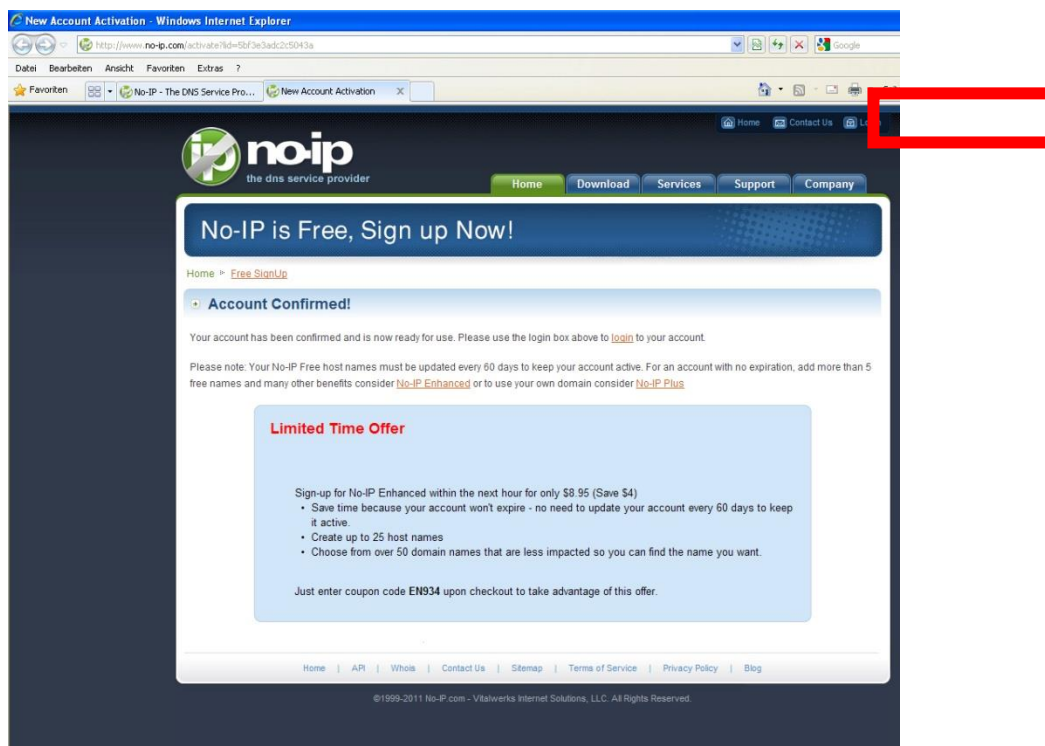
2. Complete the form.

The screenshot shows the 'Create Your No-IP Account' page. At the top, a blue banner reads 'No-IP is Free, Sign up Now!'. Below it, a navigation bar includes 'Home' and 'Free Sign Up'. The main heading is 'Create Your No-IP Account', with a link to 'sign in here' for existing users. The form is divided into three sections: 'About You:', 'Account Information:', and 'Account Access:'. The 'About You:' section includes fields for 'First Name', 'Last Name', a dropdown for 'How did you hear about us?', 'Zip/Postal Code', and a dropdown for 'Intended Use?'. The 'Account Information:' section has fields for 'Email', 'Password', and 'Confirm Password'. The 'Account Access:' section has a dropdown for 'Security Question'.

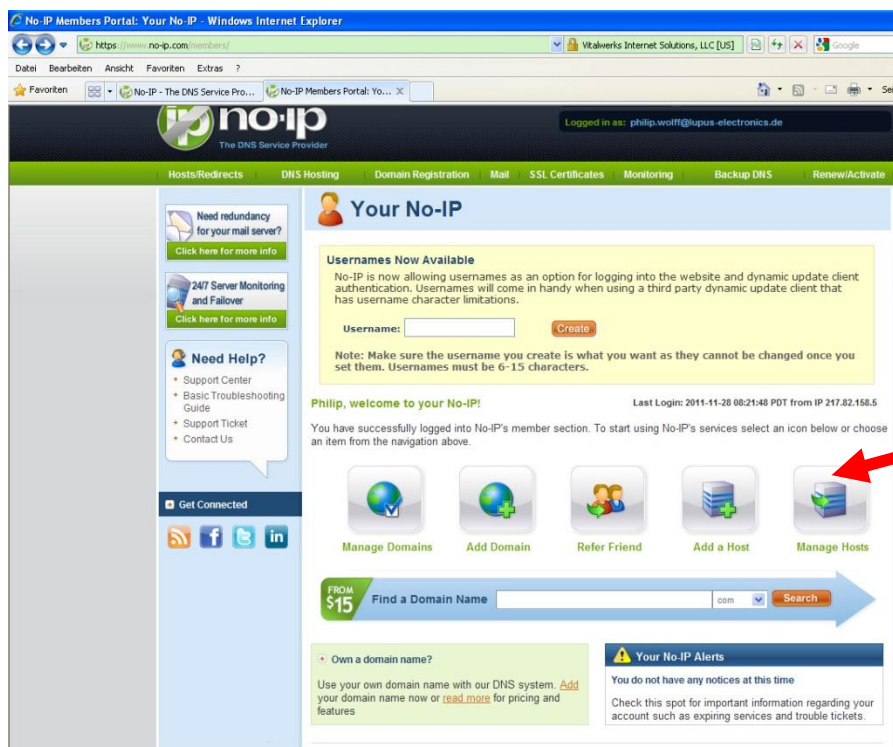
3. You will be sent an e-mail containing the confirmation link. After the confirmation, the following screen will be displayed:

The screenshot shows the 'New Account Activation' page. At the top, a blue banner reads 'No-IP is Free, Sign up Now!'. Below it, a navigation bar includes 'Home', 'Download', 'Services', 'Support', and 'Company'. The main heading is 'Account Confirmed!'. Below this, a message states: 'Your account has been confirmed and is now ready for use. Please use the login box above to [login](#) to your account.' A note follows: 'Please note: Your No-IP Free host names must be updated every 60 days to keep your account active. For an account with no expiration, add more than 5 free names and many other benefits consider [No-IP Enhanced](#) or to use your own domain consider [No-IP Plus](#).' A 'Limited Time Offer' box contains the following text: 'Sign-up for No-IP Enhanced within the next hour for only \$8.95 (Save \$4)'. It lists three bullet points: '• Save time because your account won't expire - no need to update your account every 60 days to keep it active.', '• Create up to 25 host names', and '• Choose from over 50 domain names that are less impacted so you can find the name you want.' Below the box, it says: 'Just enter coupon code **EN934** upon checkout to take advantage of this offer.' The footer includes links for 'Home', 'API', 'Whois', 'Contact Us', 'Sitemap', 'Terms of Service', 'Privacy Policy', and 'Blog', along with the copyright notice: '©1999-2011 No-IP.com - Vitalwerks Internet Solutions, LLC. All Rights Reserved.'

4. Log in with your e-mail address and password.



5. Click on “Add a Host” and enter your “Hostname”. Then save with „Create Host“.



6. Enter the created user name/e-mail address, password, and your complete address (e.g. mydvr.zapto.org) in your router or recorder under DDNS.

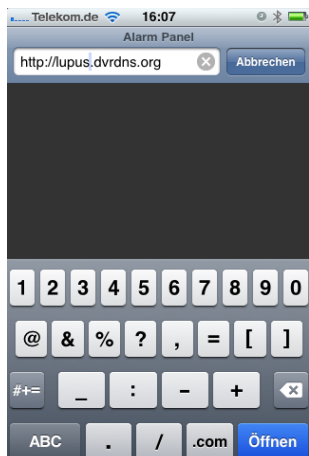
7. The control unit should now be accessible externally via your address, e.g. <http://mydvr.zapto.org>.

Access via your iPhone

The LUPUSEC-XT2 provides you with a software interface tailored for Apple mobile phones. To install it on your iPhone, please proceed as follows:

You can use the mobile interface for iPhones to check the status of the alarm system, arm and disarm the system, check for open doors and windows and much more.

Call the local (e.g. 192.168.0.33) or public address (e.g. mydyndnsname.homeip.de) of your alarm system.



The local address can be used locally only, the public address everywhere:

Enter the user name and the password of the alarm system (standard user name: admin; password: admin1234)



After you successfully logged into the control unit, the following screen is displayed:



Tap the icon marked in red on the screen and then tap “Add to home screen”.



Tap “Add” on top to add the “LUPUSEC-XT2” app to your iPhone-home screen.

The mobile web interface will be loaded:



The user interface of the LUPUSEC-XT2 mobile app (iPhone)

The bottom section of the mobile interface contains the menu bar.



You can switch between the various information widgets either by clicking the menu items or by simply sliding the respective information widget sideways.

The following menus are available:

The Alarm Status widget

The upper section shows the last status messages of the XT2. You can switch between the status display of both areas by means of Area 1 / Area 2, the number in the background changes to become the number of the respectively chosen area.

In the lower section, you can arm the alarm system, activate the Home modes (1-3), or disarm the alarm system with the five icons (check mark, 3 x house, X). The disarmed mode is indicated by a red X, which is a warning, e.g. if you leave the house and forgot to arm your alarm system.



If you set the control unit to the Home mode (1-3), the background changes to orange and shows a house icon.



If the control unit is armed and no system errors (open sensor / tamper contact, battery low, etc.) are available, the background changes to green and shows a green check mark (everything OK, system armed).



If someone breaks into your house, the background changes to red and shows a bell.










A red exclamation mark in the background indicates a system error (open sensor / tamper contact, battery low, etc.), which was not ignored.



The Sensor widget

The Sensor widget shows the status of seven sensors. All sensors with a “condition” are listed right on top (e.g. open window/door contacts or temperatures).

Sensoren		
Name	Typ	Status
 R	Türkontakt	Sabotage
	Keypad	Sabotage
 Messekontakt	Türkontakt	Offen
 Testfenster1	Türkontakt	Offen
 Testfenster A...	Türkontakt	Offen
 Testtür2	Türkontakt	Zu
 Testtür3	Türkontakt	Zu

The PSS widget (Power Switch Sensors)

“Power Switch Sensors” (PSS) stands for power supply units, i.e. the wireless sockets and in-wall relays. You can activate or deactivate them.

Steuerung	
Power Switch Sensors	
Lampe	<div> Deaktiviert <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </div>
	Sensor hinzufügen
	Sensor hinzufügen
	Sensor hinzufügen
	Sensor hinzufügen
	Sensor hinzufügen
	Sensor hinzufügen

The Logs widget (log files)

The “Logs” widget shows the last seven general, system, or reported events.

Logs Ereignis System Gemeldet		
Zeit	Quelle	Meldung
16.10.14 13:57:36	Zone7(Lampe)	Sensor eingeschaltet
16.10.14 13:57:32	Zone7(Lampe)	Sensor ausgeschaltet
16.10.14 13:57:30	Zone7(Lampe)	Sensor eingeschaltet
16.10.14 13:27:33	Ausgangsverzö...	Erfolgreich
16.10.14 13:27:23	Web	user
16.10.14 13:27:23	Web	Erfolgreich
16.10.14 13:27:21	Web	Erfolgreich

The History widget

The “History” widget shows the last seven messages from power or temperature sensors. The Events item shows the last seven status changes of the alarm system.

Historie Sensoren Ereignisse		
Zeit	Area	Meldung
16.10.14 14:00:42	Area 1 User1 (user)	Moduswechsel auf Disarm
16.10.14 14:00:30	Area 1 Zone 3 Rechts	Einbruchalarm
16.10.14 14:00:24	Area 1 User1 (user)	Moduswechsel auf Arm
16.10.14 13:27:22	Area 1 User1 (user)	Moduswechsel auf Home
16.10.14 13:27:21	Area 1 User1 (user)	Moduswechsel auf Disarm
16.10.14 13:27:16	Area 1 User1 (user)	Moduswechsel auf Arm
16.10.14 13:27:02	Area 1 User1 (user)	Moduswechsel auf Disarm

The LUPUS Camera widget

The “Camera” widget shows the pictures taken by maximum three LUPUSNET HD IP cameras or your LUPUSTEC analogue recorders.



Full access via mobile browser

To fully see the configuration menu in a mobile browser (e.g. to show the complete sensor list), most mobile browsers have the option “Desktop view”. If activated, your mobile phone should show the usual PC/notebook view. An iPhone app is expected for the end of 2014/beginning of 2015.

Access via the LUPUSEC-Android app

Download the free Android app from Google Play Store.

The following screen is shown when you first start the app:

The screenshot shows the 'Geräte bearbeiten' (Edit Device) screen in the LUPUSEC-Android app. The screen is titled 'NEUES PROFIL' (New Profile). It contains several input fields: 'Wohnung' (Profile Name), 'meinname.lupus-ddns.de' (Login Profile Name), '53080' (URL or IP-Adresse), 'admin' (Port), 'admin' (Benutzername), and a masked password. There is a checkbox for 'Passwort speichern' (Save password) which is checked. At the bottom are buttons for 'Abbrechen' (Cancel) and 'Speichern' (Save). The status bar at the top shows the time as 11:39 and various icons.

Enter the following data in the boxes:

- **Login profile name**

Choose a name (e.g. "Apartment"). This name will be shown in the profile list later.

- **URL or IP address**

Enter the network address of your system (e.g. "myname.lupus-ddns.de"). You can also enter the IP address in the form "192.168.0.10", but the access in that case is possible only within the local network.

- **Port**

Enter the port number. Port 80 for access via the local network or the required external port

- **User name**

The user name for your alarm system (e.g. "admin")

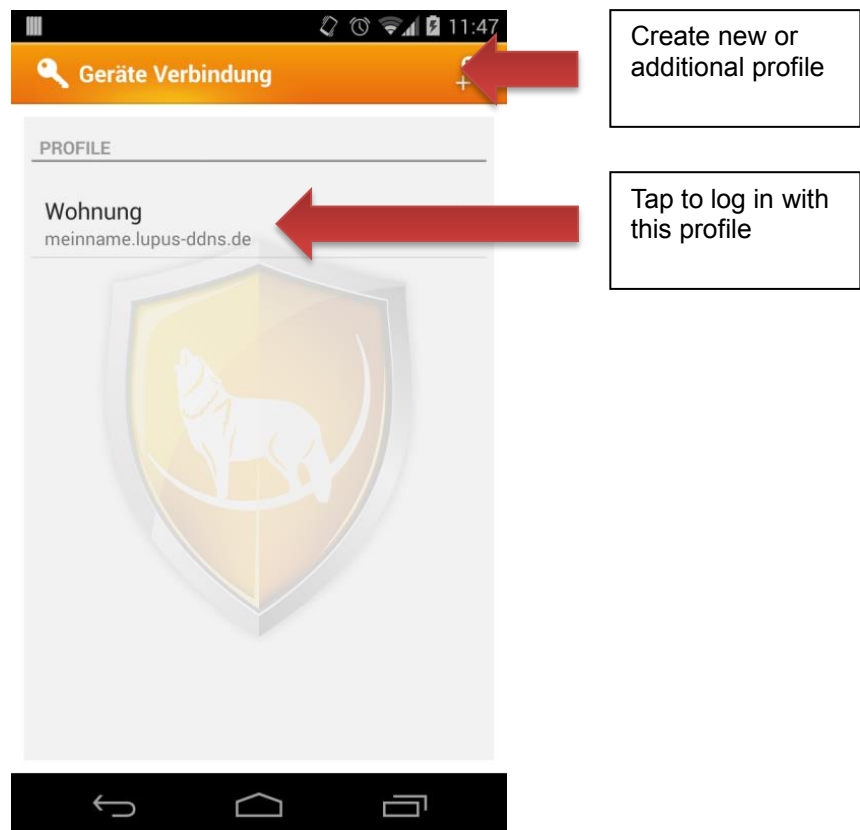
- **Password**

The defined password for your alarm system

After having completed the settings, tap "Save".

Profile list

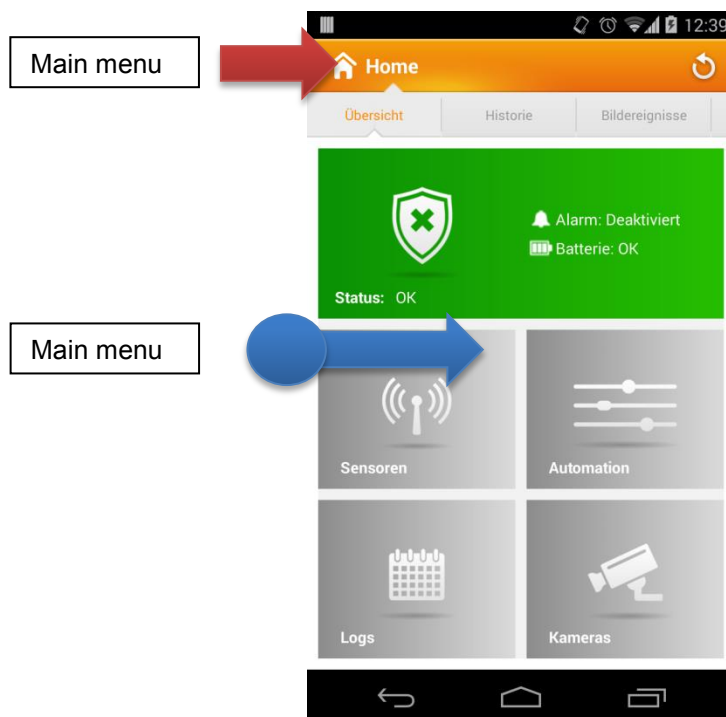
The following screen should be displayed:



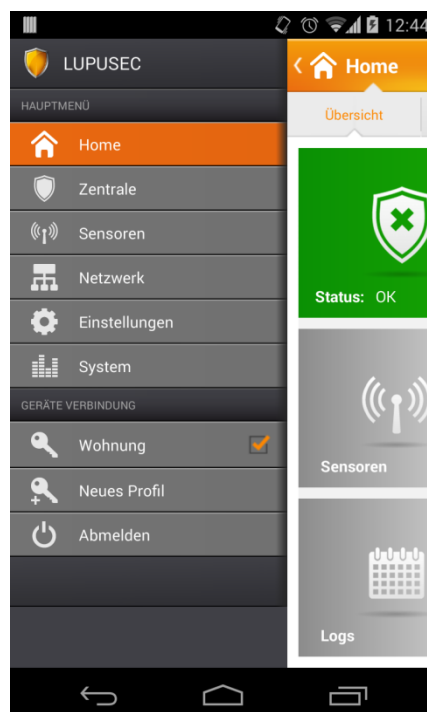
Press the created profile to log into your system. Pressing the profile icon longer opens a menu, from which you can choose to delete or edit the profile.

After the successful login, the main menu of the app/system opens.

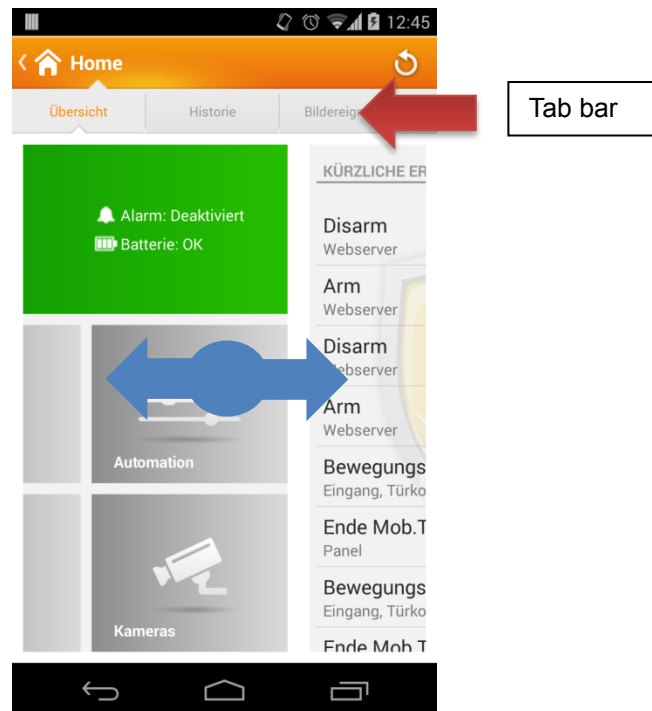
Main menu



On the main screen of the app, you can open the menu either by swiping it from the left edge to the middle of the phone or by tapping the icon in the top left corner.



Navigation through the app



Within the app, you can switch between the pages by swiping either from left to right or from right to left. Alternatively, select the desired pages directly from the upper tab bar (see figure).

Description of sensors and controls

The LUPUSEC-XT2 supports various sensors, detectors, and controls. All of them are connected wirelessly to the XT2. An alternating encryption ensures a safe two-way communication between the control unit and the sensors.





The following describes a variety of accessories to be connected to the LUPUSEC-XT2 control unit. When integrating sensors, please observe the methods described as follows.

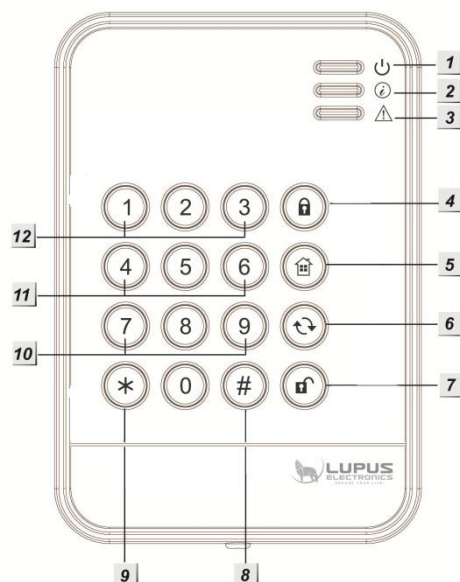
Note:

- On principle, you need to decide to which area the sensor/device to integrate is added.
- Except for the outdoor siren, all XT2 components are designed exclusively for indoor use.

Remote keypad KP-01

Product description:

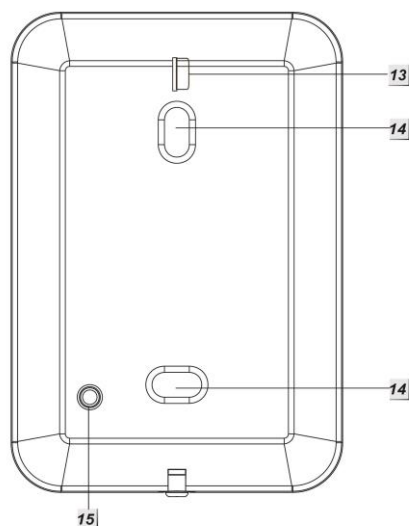
1. Power LED
2. Status LED
3. Error LED
4. Arm 
5. Home 
6. System status 
7. Disarm 
8. # Pound key
9. * Star key
10. Emergency alarm: 7 + 9 (simultaneously)
11. Fire alarm: 4 + 6 (simultaneously)
12. Panic alarm: 1 + 3 (simultaneously)
13. Battery breaker (delivery status)
14. Mounting holes
15. Tamper contact



Note: The dual shortcuts 1+3(12.), 2+6 (11.) and 7+9 (10.) are disabled by default.

LED indicators:

- **Power LED:**
 - Yellow LED lights up: active Test mode
 - Yellow LED flashes: active Test mode + low battery
 - Blue LED lights up for approx. 5 seconds: normal system status
 - Blue LED flashes: Low battery



Note:

- In normal operating mode, all LEDs are off.
- If a key is pressed, the Power LED lights up for 5 seconds, thus signalling operational readiness.
- **Status LED** (Check system status of control unit with keypad):

If you press the Status ↻ key on the keypad, the status of the control unit is checked. Soon after, the Status LED indicates the status:

Red LED lights up: System is armed

Red LED flashes: System is in Home mode

Blue LED lights up: System is disarmed

Blue LED flashes → error

- No response from control unit
- Incorrect PIN code
- Home activated in armed (away) mode
- Arming forced despite sensor failure reports

- **Error LED:**

Orange LED flashes: system error, e.g.

- No SIM card
- GSM not ready
- Open tamper contact
- Control unit power failure
- Sensor out of range
- Open sensor
- Sensor battery low

- **Battery:**

The keypad requires a 1/2 AA 3 V 850 mAH lithium battery. The average battery life is two years. If the battery is low, the orange Status LED on the keypad flashes.

Put keypad into operation


Installation of keypad:

1. Remove the front cover from the keypad by unscrewing the lower screw.
2. Use the two screw holes to mark the drill holes at the wall.
3. Fasten the keypad.
4. Attach the front cover.

Add keypad to control unit:

1. Open the installation mode by entering the PIN code of the keypad (default 0000) and then pressing the * key. The Power LED will light up in orange.
2. Open the main menu of the control unit and then the sub-menu "Sensors" → "Add". Click on Start.
3. Enter the sequence * + 7 in the keypad. The keypad should emit a signal sound

and be displayed in the control unit.


- If no audio signal sounds, the control unit was not able to receive the keypad signal.
 - If the keypad is found, three short signals sound.
4. Add the keypad to the control unit.
 5. Perform the range test. Start the range mode of the control unit and take the keypad to its place of installation.
 6. Enter the sequence * + 7 in the keypad.
 7. The control unit should display the actual signal strength.
 8. To **exit the installation mode**, press the “Open lock key”  twice. Only then, you can arm and disarm the XT2 with the keypad.
The keypad emits a signal and the Power LED goes off after a short while.

Change PIN code to arm/disarm/home:


Go to Home → PIN codes to change these codes.

Change alarm system status with keypad:


1. Arm:

User PIN (default 1234) + Arm  (one long signal sounds and the red Status LED lights up).

2. Disarm:

User PIN (default 1234) + Disarm  (two signals sound and the blue Status LED lights up).

3. Enable Home mode:

User PIN (default 1234) + Home  and then 1, 2, or 3 to activate the required Home mode (three signals sound and the red Status LED flashes four times). If you press no number after the home mode button, Home mode 1 is activated automatically.

Note:

- The activation of different home modes is possible only with firmware 0.0.2.7M and higher and a keypad bought in September 2014 (or later).
- The keypad can control both areas (firmware 0.0.2.7M and higher), depending on which PIN code (Area 1 or 2) is used.
- If a system error is displayed (the third LED flashes), you can usually ignore it by activating the Arm/Home mode again within ten seconds. You can see and ignore the current system errors in the XT2 via “Control unit” → “Status” → “XT2 Status”.
- Alternatively, you can configure the control unit so that the status is always changed irrespective of system errors via “Settings” → “Control unit” → “Area” → “Arming with error” → “Confirm” switch to “Force arming”.
- The keypad transmits its status “only” upon entry. That is the reason why you can see that the batteries are low, but not that they are empty!

Activate dual key functions:

The keypad can trigger a hold-up (panic) alarm, fire alarm, or medical emergency alarm by means of predefined shortcuts. Once activated, these shortcuts can be used **without entering the PIN code!** To activate the dual keys, please proceed as follows:

Start the Test mode by entering the installer PIN code of the keypad (default 0000) and then pressing the * button. The Power LED lights up in orange.

In the Test mode, press the following keys to activate the respective functions:

Activate dual key functions 1+3 (panic alarm): * + 2

Activate dual key functions 4+6 (fire alarm): * + 3

Activate dual key functions 7+9 (emergency alarm): * + 4

Activate all dual key functions: * + 5

Note:

You can define in the sensor properties of the keypad, which action to take, when you press the shortcuts (1+3, 4+6, 7+9). You can e.g. define a rule to activate the Home mode 2 or 3 (chapter “Automation” describes the rules).

Additional optional settings in Test mode:

Add the keypad to the control unit: * + 7

Change the installation PIN code: *+6

1. Enter the current PIN code (default 0000).
2. Press the Status ↻ button. A long signal sounds.
3. Enter the new four-digit PIN code.
4. Press the # button to save the new PIN code.

Activate Arm/Home without PIN entry: * + 8

Activate Arm/Home with PIN entry: * + 9

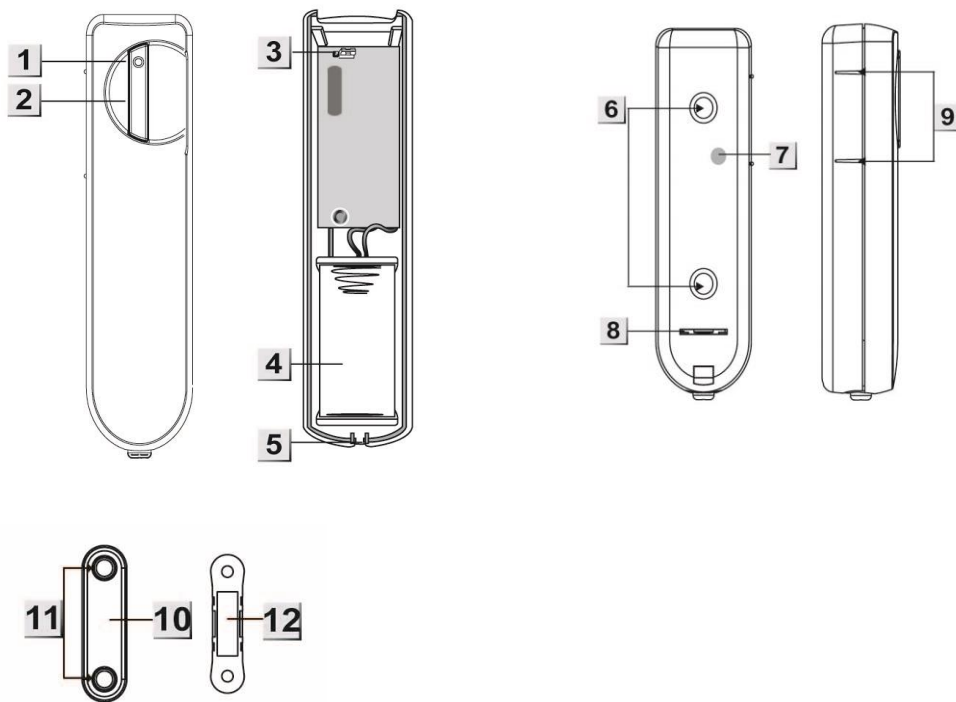
To **exit the installation mode**, press the “Open lock key”  twice.

If you forgot your PIN code, you can reset the keypad to the **factory settings**.

For this purpose, proceed as follows:

1. Open the housing, making sure not to trigger the tamper contact.
2. Remove the batteries.
3. Press and hold pressed the button 3, while you reinstall the batteries.
4. Release the button 3.

After the **Reset**, the installer PIN code is set to default 0000.



1. LED indicator
2. Test button
3. Switch (JP1): status monitoring
4. Battery
5. Lock screw
6. Mounting holes
7. Tamper contact
8. Battery breaker (delivery status)
9. Magnetic contact markings
10. Magnetic contact (to be positioned at the markings)
11. Mounting holes
12. Magnet

LED indicator:

Under normal circumstances, the LED of the window/door contact will be off. It lights up only in the following cases:

- If the window/door contact is removed or turned in a different position
- If the battery is low
- In the Test mode (e.g. range test)

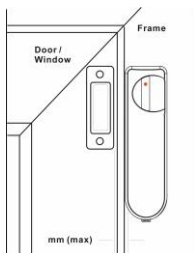
Battery:

The window/door contact requires a 3 V 1/2 AA (CR2) lithium battery. The average battery life is 2.6 years.

Put the window/door contact into operation

1. Remove the battery breaker from the back of the contact to energize the window/door contact.
2. Open the main menu of the alarm system.
3. Open the menu "Sensors" → "Add".
4. Click on Start.
5. Press the Test button of the window/door contact. A red LED lights up.
6. The control unit will confirm the successful addition with a brief signal, display the sensor and then list it in the Sensors menu.
7. Start the range test in the control unit and take the window/door contact to the intended place of installation.
8. Then press the Test button. If this position is within the range, a red LED lights up at the window/door contact.
9. Test the signal strength in the Range menu of the alarm system (1-9).
10. If the position is suited, you can install the window/door contact.

Installation:



Install the magnet to the side of the door or window and attach the window/door contact to the frame. Observe the markings (9) to position the magnet exactly.

Note:

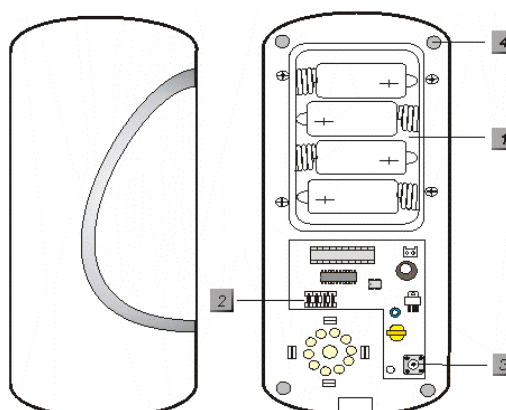
- The distance between magnet and window/door contact must not exceed 20 mm.
- You can either fasten both components with screws or fix them with the supplied adhesive pads. We recommend fastening a thin cardboard strip, plastic strip, or similar between tamper contact and adhesive pad to prevent the tamper contact from poking into the adhesive pad and thus triggering tamper alarm. At any rate, make sure that the adhesive pads cannot come off without external influence.
- Do not bridge JP1 to allow the signal transmission to the control unit whenever the battery is checked.
- After pressing the Test button, the LED indicator of the window/door contact lights up briefly for three minutes every time the contact is opened or closed. After the three minutes, the LED indicator does not light up anymore.

Wireless indoor siren

Product description:

1. Battery compartment
2. DIP switch
3. Tamper contact
4. Mounting holes

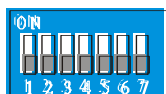
Scope of delivery:



- 4 x screws + dowels
- 4 x 1.5 V D alkaline battery

Put the wireless in door siren into operation

1. Remove the bottom of the wireless indoor siren by unscrewing the screw at the bottom.
2. Unscrew the four battery compartment screws and insert the supplied batteries. A brief signal sounds.
3. A blue switch bay with altogether seven switches is located in the middle of the electronic component. By default, they are all set to OFF (down).



4. The following table lists the functions of the switches:

SW1		Mode to add the siren to the control unit
OFF		Off
ON		On
SW2		Not occupied
SW3	SW4	Alarm duration
OFF	OFF	3 minutes
ON	OFF	5 minutes
OFF	ON	10 minutes
ON	ON	1 second (Test mode)
SW5		Not occupied
SW6		Reset memory
OFF		Normal
ON		Deletes memory
SW		Sends a status signal to the control unit
OFF		Off
ON		On

5. Start the control unit's configuration page, open the menu "Sensors" → "Add" and click on "Start".
6. To put the wireless indoor siren into operation, set SW1 from OFF to ON. The wireless indoor siren sends a brief signal for confirmation.
7. The control unit will now detect the wireless indoor siren and list it under "Detected sensor". If the siren is not found, repeat step 6.
8. Click on "Add". If you want to change the siren settings (name, area, zone), click on "Change".

Note:

If you want to assign the siren to both areas, activate the "All areas" option. If you want to change this option or the area of the siren later, the SW1 switch in the siren needs to be set to ON again!

9. Set SW1 back to OFF.
10. Test the siren function by simulating an alarm or actuating the tamper contact.

11. The siren is very loud! Deactivate the sound either by disarming the alarm system or by removing the batteries.
12. Set SW7 to ON. Otherwise, you will receive regular reports that the siren is out of operation whenever the sensors are checked.
13. Open the menu Sensors → Siren in the control unit and specify the conditions to activate the siren in “External siren control”.
14. In the Range menu, verify that the signal strength at the desired location is sufficient. Click on Start and activate SW1 in the siren (only) for the range test. The higher the indicated number, the better the reception (1-9).

Siren settings:

Configure all the external sirens via the menu “Sensors” → “Siren”.

- **Tamper contact on / off**

Deactivates the tamper contact of all currently connected external sirens (installed in addition to the control unit) for one hour (useful e.g. to change the batteries).

- Click on “Tamper contact off”.
- Then click on “Apply to siren” below.

Note:

If the tamper contact is disabled, the siren does not transmit status updates to the control unit anymore for as long as it is disabled. For that period, you can also not see the current state of the tamper contact via Sensors → List.

Caution!

If you open the siren without deactivating the tamper contact before, the audio alarm of the siren will be activated even if the siren is not integrated in the control unit anymore! In that case, you should wear ear protection and disconnect the power supply as quickly as possible.

- **Confirmation signal on / off (Arm/Disarm)**

With this function active, the siren will sound a signal when arming/disarming.

To disable the confirmation signal of the siren(s) upon arming/disarming, proceed as follows:

- Click on “Confirmation signal off”.
- Then click on “Apply to siren” below.

- **Entry signal on / off**

With this function active, the siren will sound confirmation signals for the duration of the defined delay until the system is armed.

To disable the warning signal of the siren(s) upon entry/exit, proceed as follows:

- Click on “Entry signal off”.
- Then click on “Apply to siren” below.

Note:

- These three settings are transmitted only, but not permanently stored in this menu. After their transmission, all three settings are ON again - but they were stored in the sirens, after they transmitted the confirmation signal.
- In addition, please observe that the configuration is transmitted to all currently connected and active external sirens. If you want to configure several sirens

differently, you should delay the installation of these sirens or just disconnect these sirens from the power supply while the settings are changed. It is impossible to read out the current siren configuration.

Battery:

The wireless indoor siren requires 4 D-cell alkaline batteries. The average battery life is 2 years (depending on the usage).

Warning sounds and signals of the indoor siren:

	Audio signal	Signal lamp
Arm/Home	1 beep*	The 3 LEDs light up once
Disarm	2 beeps*	The 3 LEDs light up once one after another
Arm (battery low)	5 beeps	The 3 LEDs light up three times
Disarm (battery low)	5 beeps	The 3 LEDs light up twice one after another
Arm (tamper)	5 beeps	The 3 LEDs light up three times
Disarm (tamper)	2 beeps*	The 3 LEDs light up twice one after another
Pre-alarm	3 sec beep	The 3 LEDs light up twice one after another
Tamper alarm	Continuous beeps	The 3 LEDs light up once one after another
Entry/exit signal	Constant beep until the time has elapsed	Nothing

Note:

- The siren will sound warning signals, if either a tamper contact is open, a sensor battery is low, or another defect is detected (even if the audio warning signals were deactivated in the control unit).

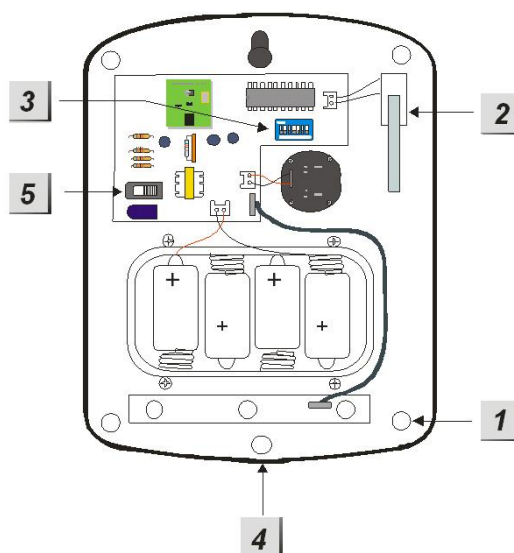
Wireless outdoor siren

Product description:

1. Mounting holes
2. Tamper contact
3. DIP switch
4. Lock screw
5. On/off switch

Scope of delivery:

4 x screws + dowels
4 x 1.5 V D alkaline batteries



Put the wireless outdoor siren into operation

1. Open the wireless outdoor siren by unscrewing the screw at the bottom.
2. Turn the on/off switch (5) to ON. A brief signal sounds.

3. A blue switch bay with altogether seven switches is located in the middle of the electronic component. By default, they are all set to OFF (down).



4. The following table lists the functions of the switches:

SW1		Mode to add the siren to the control unit (then back to OFF)
OFF		Off
ON		On
SW2		<i>Not occupied</i>
SW3	SW4	Alarm duration
OFF	OFF	3 minutes
ON	OFF	5 minutes
OFF	ON	10 minutes
ON	ON	1 second (Test mode)
SW5		<i>Not occupied</i>
SW6		Reset memory
OFF		Normal
ON		Delete memory
SW		Sends a status signal to the control unit
OFF		Off
ON		On

5. Start the control unit's configuration page, open the menu "Sensors" → "Add" and click on "Start".
6. To put the wireless outdoor siren into operation, set SW1 from OFF to ON. The wireless outdoor siren sends a brief signal for confirmation.
7. The control unit will now detect and wireless outdoor siren and list it under "Detected sensors". If the siren is not found, repeat step 6.
8. Click on "Add". If you want to change the siren settings (name, area, zone), click on "Change".

Note:

If you want to assign the siren to both areas, activate the "All areas" option. If you want to change this option or the area of the siren later, the SW1 switch in the siren needs to be set to ON again!

9. **Set SW1 back to OFF** to exit the learn mode.
10. Test the siren function by simulating an alarm or actuating the tamper contact.
11. **Caution:** The siren is very loud (104 dB)! Deactivate the sound either by disarming the alarm system or by removing the batteries.
12. Set SW7 to ON. Otherwise, you will receive regular reports that the siren is out of operation whenever the sensors are checked.
13. Open the menu Sensors → Siren in the control unit and specify the conditions to activate the siren in "External siren control".
14. In the Range menu, verify that the signal strength at the desired location is sufficient. Click on Start and activate SW1 in the siren (only) for the range test. The higher the indicated number, the better the reception (1-9).

Siren settings:

Configure all the external sirens via the menu “Sensors” → “Siren”.

- **Tamper contact on / off**

Deactivates the tamper contact of all currently connected external sirens (installed in addition to the control unit) for one hour (useful e.g. to change the batteries).

- Click on “Tamper contact off”.
- Then click on “Apply to siren” below.

Note:

If the tamper contact is disabled, the siren does not transmit status updates to the control unit anymore for as long as it is disabled. For that period, you can also not see the current state of the tamper contact via Sensors → List.

Caution!

If you open the siren without deactivating the tamper contact before, the audio alarm of the siren will be activated even if the siren is not integrated in the control unit anymore! In that case, you should wear ear protection and disconnect the power supply as quickly as possible.

- **Confirmation signal on / off (Arm/Disarm)**

With this function active, the siren will sound a signal when arming/disarming.

To disable the confirmation signal of the siren(s) upon arming/disarming, proceed as follows:

- Click on “Confirmation signal off”.
- Then click on “Apply to siren” below.

- **Entry signal on / off**

With this function active, the siren will sound confirmation signals for the duration of the defined delay until the system is armed.

To disable the warning signal of the siren(s) upon entry/exit, proceed as follows:

- Click on “Entry signal off”.
- Then click on “Apply to siren” below.

Note:

- These three settings are transmitted only, but not permanently stored in this menu. After their transmission, all three settings are ON again - but they were stored in the sirens, after they transmitted the confirmation signal.
- In addition, please observe that the configuration is transmitted to all currently connected and active external sirens. If you want to configure several sirens differently, you should delay the installation of these sirens or just disconnect these sirens from the power supply while the settings are changed. It is impossible to read out the current siren configuration.

Battery:

The wireless indoor siren requires 4 D-cell alkaline batteries. The average battery life is 2 years (depending on the usage).

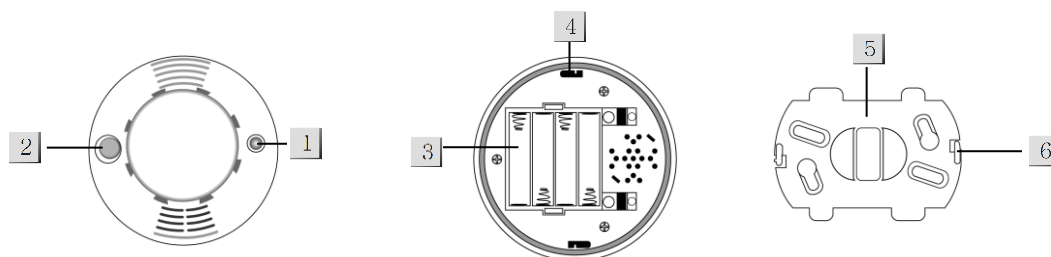
Warning sounds and signals of the indoor siren:

	Audio signal	Signal lamp
Arm/Home	1 beep*	The 3 LEDs light up once
Disarm	2 beeps*	The 3 LEDs light up once one after another
Arm (battery low)	5 beeps	The 3 LEDs light up three times
Disarm (battery low)	5 beeps	The 3 LEDs light up twice one after another
Arm (tamper)	5 beeps	The 3 LEDs light up three times
Disarm (tamper)	2 beeps*	The 3 LEDs light up twice one after another
Pre-alarm	3 sec beep	The 3 LEDs light up twice one after another
Tamper alarm	Continuous beeps	The 3 LEDs light up once one after another
Entry/exit signal	Constant beep until the time has elapsed	Nothing

Note:

- The siren will sound warning signals, if either a tamper contact is open, a sensor battery is low, or another defect is detected (even if the audio warning signals were deactivated in the control unit).

Smoke detector



1. LED:

- After you inserted the batteries, the smoke detector is automatically in the calibration mode. The LED flashes during that time. The device can be added to the control unit.
- The LED flashes every 30 seconds, if the integrated batteries run low.
- The LED is permanently on, if the smoke detector transmits a signal to the control unit.

2. TEST button

Press the Test button in the following cases:

- You want to add the smoke detector to the control unit.
- You want to perform the range test.
- You want to perform a functional test.

2 brief signals = function OK

3 signals = optical sensor defect or soiled

3. Batteries

Install only 4 x AAA batteries. The average battery life is 4 years. If the batteries run low, the smoke detector will alert you with optical and acoustic signals. Before you change the batteries, press the Test button twice.

4. Installation notch

5. Mounting bracket

6. Attachment hook

Put the smoke detector into operation

1. After you inserted the batteries, two brief signals sound. The LED starts flashing. You have six minutes (warm-up phase) to add the smoke detector to the control unit.
2. Open the configuration page of the control unit and start the login process in the Sensor menu.
3. Press the Test button at the smoke detector. Two brief signals sound.
4. If the control unit detects the device, it emits a signal for confirmation.
5. Now add the smoke detector to the control unit.

Note:

- The calibration starts after the six minutes warm-up phase of the smoke detector. A short beep sounds every 100 seconds during these six minutes. The calibration

takes about 2 to 16 minutes and is completed at the end with two successful signals. If the calibration failed after 16 minutes, a constant beep will sound. In that case, remove the batteries and restart step 1.

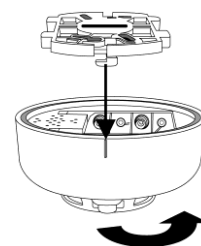
- You cannot integrate the smoke detector during the calibration; this is possible only before or after the calibration process.

6. Perform an optional range test.

For this purpose, open the menu **Sensors** → **Range** and click on Start. Take the smoke detector to the place of installation and press the Test button of the smoke detector. The test menu of the control unit indicates the signal strength of the radio transmission. The higher the value the better the radio signal (1-9).

Mounting of smoke detector:

1. Use the bracket as a template to drill the holes.
2. Mount the bracket so that the two hooks face down.
3. Press the smoke detector onto the bracket and lock it with a turn, making sure that the line located at the side of the smoke detector is directly below one of the hooks.



In case of alarm:

If the smoke concentration exceeds the threshold, the detector will immediately report this to the XT2 and additionally emit a very loud signal. The threshold is re-checked every 10 minutes. If you press the test button in case of an alarm, the smoke detector will be deactivated for 10 minutes.

Place of installation of smoke detector:

- Always install the smoke detector at the highest point and with minimum distance of 60 cm to the wall.
- Do not install the smoke detector in kitchens or bathrooms to avoid false alarms.
- Do not install the smoke detector close to air conditioning systems or fans.

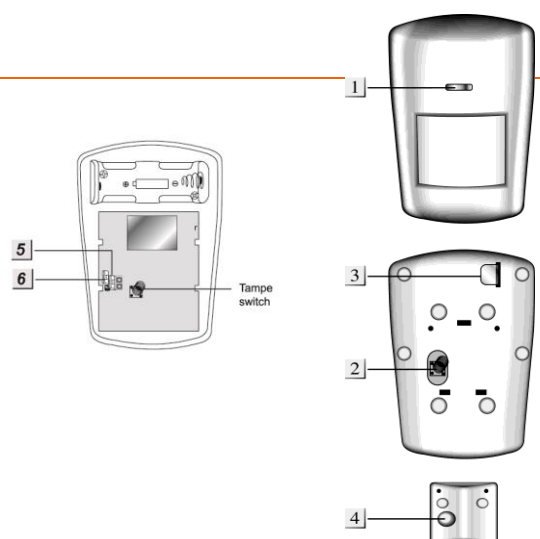
Note:

- In case of an alarm, the XT2 and the smoke detector will alert. Additionally installed smoke detectors will not trigger alarms.
- Even if the smoke detector has lost contact to the control unit (radio interference, control unit off, large distance), it will **always** react to smoke and alert you with its own siren!

PIR motion detector

Product description:

1. Test button with LED indicator
2. Tamper contact
3. Battery breaker (delivery status)
4. Corner mount
5. Status update on/off (jumper 2)
6. Switch (jumper 3) to increase the sensitivity



LED indicator:

The LED is usually off in normal operation, except for the following situations:

- If the battery runs low, the LED lights up for 2 seconds after motion detection.
- If a tamper alarm is triggered, the LED lights up for 2 seconds while the alarm signal is being transmitted.
- Pressing the Test button for approx. 5 seconds will set the motion detector to the test mode for 3 minutes. During this time, the LED lights up with every motion. Use this function for optimal alignment.

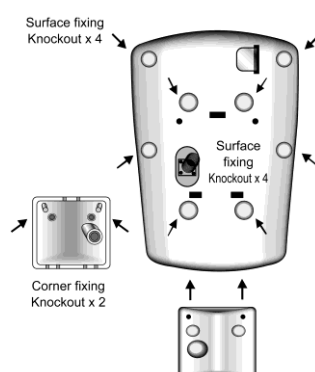
Battery:

- The motion detector requires a 3.0 V CR123 lithium battery. With 20 detected motions per day, the average battery life is approx. 3 years.
- If the battery runs low, the motion detector sends the status to the control unit.

Put the PIR motion detector into operation

1. Remove the battery breaker from the back of the motion detector to supply the device with power.
2. The device starts. This process takes approx. 30 seconds. Wait until the LED stops flashing and do not trigger the motion detector during this time.
3. Start the configuration menu of the control unit and open the menu Sensors → Add. Click on Start.
4. Press the Test button of the detector once. The menu should indicate the motion detector after a short while.
5. Start the Test mode of the control unit to verify that that the motion detector at the intended location is within the range.
6. Take the motion detector to the intended place of installation and press the Test button of the device. The test menu of the control unit indicates the signal strength of the radio transmission. The higher the value the better the radio signal (1-9).

Installation:



There are five holes in the middle of the motion detector's back (3 slots, 2 small holes) to fasten the corner mount. Next to them, four notches are located for frontal wall mounting. There are two additional notches at each side to mount the motion detector angularly to the wall. You need to screw the screws through the notches for the wall mounting.

Warm-up phase:

The PIR motion detector is set to a one-minute warm-up phase every time the system is armed or set to home mode. During that phase, it cannot detect any motions. Do not trigger any motions, as otherwise the warm-up phase extends by another minute.

Note:

- The horizontal angle of the PIR motion detector is 130°.
- To enable the optimal motion detection, install the motion detector at a height of **1.8 to 2.0** metres and align the Test button to the top.
- Do not install the motion detector within the detection range of another detector (e.g. motion detector with light in front of the entrance door).
- Do not expose the motion detector to direct sunlight.
- Do not install the motion detector close to heaters or air conditioning systems.
- The detection range is approx. 12 metres, if the detector is installed at a height of 2 metres. At a height of e.g. 1.9 metres, the detector is pet immune up to approx. 7 metres.
- Set the jumper 3 (JP3) to OFF to reduce the sensitivity.
- Set the jumper 2 (JP2) to OFF to activate the battery check (supervisor).
- Unless in the test mode, the motion detector can detect a motion only every **three** minutes (irrespective of the control unit status).

Water detector



Product description:

1. Battery
2. Test button

Put the water detector into operation

1. Open the housing by unscrewing the two screws from the housing bottom.
2. Install the supplied batteries.
3. Start the XT2 configuration menu and open the menu “Sensors” → “Add”.
4. Click on „Start“.
5. Press the Test button on the electronic component of the water detector.
6. The XT2 configuration menu should indicate the water detector.
7. Add the water detector.

Battery:

The water detector requires four alkaline batteries. The average battery life is approx. 3 years. The water detector sends the status to the control unit every 30 to 50 minutes. If the battery runs low, this is reported to the control unit immediately.

Installation:

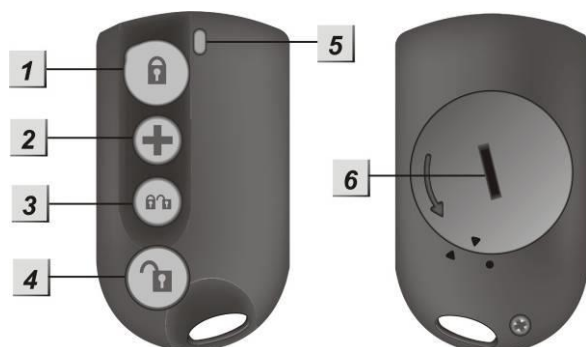
1. Remove the screws from the housing bottom.
2. Drill through the two notches left for the screws, if you want e.g. to fasten it to the wall.
3. Mount the water detector the wall using the supplied screws.
4. Place the water detector, which is at the end of the cable, on the location, where it is intended to trigger water alarm, e.g. on the floor. If water forms a bridge between the two pins, it triggers an alarm. Fix the sensor so that it cannot accidentally shift.
5. Close the housing and fix it with the screws.

Note:

In case of water contact, the water detector sends an alarm to the control unit twice at a two-minute interval. If the water level falls again, the water detector returns to its normal mode.

Remote control

The XT2 remote control is able to set the system to the armed, home, or disarmed mode.



Product description:

1. Arm button

Press this button for approx. 3 seconds to arm the system. A warning signal (long beep) confirms this. Then you have a certain adjustable period to leave the house, before the system is armed automatically.

If a window/door contact or tamper contact is still open, then system cannot be armed at the first attempt, which is signalled by two short signals.

2. (+) button

If you keep this button pressed for minimum 3 seconds, the system will receive a panic alarm and alert irrespective of the set mode.

3. Arm/disarm button (simultaneous)

Activates the Home mode.

4. Disarm button

Press this button to disarm the system. If the system is currently raising alarm, this deactivates the siren/alarm as well. In case of a panic alarm however, the alarm system needs to be deactivated via the web interface.

5. LED indicator

The red LED lights up briefly every time you press a button (attempts transmission to the control unit). If you press the panic button, the LED lights up five times and then transmit the panic alarm.

6. Battery cover

The remote control requires a CR2032 3 V 230 mAh lithium battery. The average battery life is two years. The battery status is transmitted to the control unit with each transmission.

Put the remote control into operation

1. Use a coin to open the battery cover.
2. Install the battery with the negative side facing down (flat side up).
3. Close the battery cover.
4. Open the main menu of the XT2 and open the menu "Sensors" → "Add". Press "Start".
5. Press one of the remote control buttons for approx. 3 seconds.
6. The control unit should indicate the remote control after a short while. Add it to the

control unit.

Note:

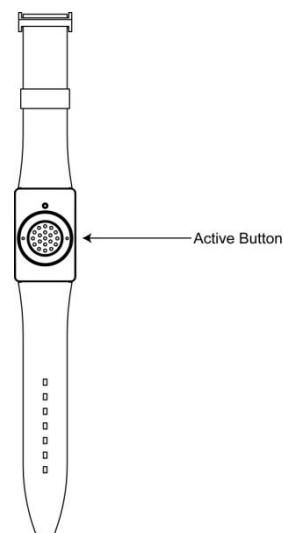
In the sensor properties of the remote control, you can assign predefined rules to the different buttons. You can e.g. define a rule to activate the Home mode 2 or 3 (the chapter “Automation” describes the rules).

Medical emergency controller

Product description:

Alarm button:

- If the alarm button is pressed for more than one second, the control unit triggers an alarm.
- If this button is pressed for more than eight seconds during the alarm, the alarm is deactivated.
- The LED illuminating confirms this.



Put the medical emergency controller into operation

1. Start the XT2 configuration menu and open the window “Sensors” → “Add”. Then press „Start“.
2. Press the alarm button of the medical emergency controller.
3. The control unit should then indicate the medical emergency controller after a short while. Add it to the control unit.

Battery:

The medical emergency controller requires a CR2032 3 V lithium button cell. The average battery life is approx. four years.

Activate battery status indicator:

If required, you can activate the battery status indicator. For this purpose, press the alarm button for minimum 15 seconds and ignore the LED signals at one and eight seconds.

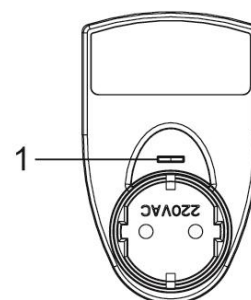
The LED will flash three times after 15 seconds. From then on, the medical emergency controller will transmit the battery status to the control unit every 24 hours. If the battery runs low, the control unit will be informed.

Wireless sockets (PSS)

Product description:

With an integrated wireless socket, you can supply a connected end device with power remotely (via web access/smartphone) or by manually pressing the LED button.

You can create rules to specify when a wireless socket is to be activated or deactivated automatically as required. Refer to the chapter "Automation" for further information.

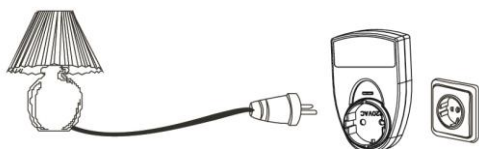


LED indicator:

- The red LED lights up three times, when the power device is connected to a socket.
- If the LED goes off and on again: The ACK RF signal is being transmitted.
- LED on: power on
- LED off: power off
- LED flashes slowly: The power device is in Test mode and can be added to the system.
- LED flashes fast twice: Successful integration of power device

Put the wireless sockets into operation

1. Plug the power device into a socket.
2. Press the LED for 10 seconds minimum. The LED starts flashing slowly (Test mode).
3. Start the control unit's configuration menu and open the menu Sensors → Add. Click on Start.
4. If the system recognizes the power device, the LED blinks fast twice and goes off.
5. The XT2 should now indicate the wireless socket. Add the wireless socket to the control unit and assign it with an optional name.
6. Connect the end device.



Range test:

You can test the signal strength at the intended place of installation. For that purpose, press Range test → Start in the control unit menu Sensors → Range and then press the LED of the plugged in wireless socket once. The higher the indicated number the better the reception (1-9).

Note:

- You can connect exclusively wireless sockets with electric meter to the XT2!

- The power consumption in Watt and the state (on/off) is displayed via Sensors → List → Status.
- You can activate or deactivate the PSS wireless socket manually via Home → Overview → Control or alternatively via Control unit → Wireless switches.
- The maximum load at 230 V is 3680 W / 16 A. Do not exceed these values!
- After a power failure, the wireless socket returns to the initial state within one minute.
- The wireless sockets are **not** compatible with the wireless repeater.
- The wireless sockets (all PSS devices) **cannot** be saved in the XT2 configuration file.

Glass breakage detector

Product description:

The glass breakage detector reacts to the sound of breaking glass and alerts the alarm control unit. To avoid false alarms, the detection is done in two steps: First, the detector registers the breaking of glass and then the pieces of glass falling to the ground. Install the glass breakage detector with a minimum distance of one metre and a maximum distance of six metres from the glass surface.

Sensor data:

Dimensions (without mount): 10.8 x 8 x 4.3 cm

Weight: 140 grams

Operating location: Exclusively indoors. Ideally opposite to glass surfaces to be monitored

Operating temperatures: -10 °C to 55 °C

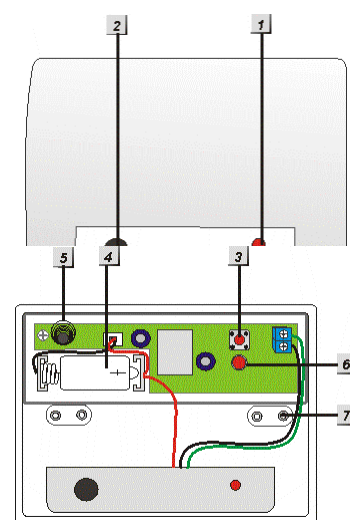
Humidity: Maximum 85 %

Alarm system frequency: 868.6625 MHz

1. LED indicator (outside)
2. Microphone
3. Test button
4. Battery clip
5. Tamper contact
6. LED indicator (inside)
7. Mounting holes

LED indicator (outside):

- The LED briefly lights up in case of sounds in normal operation.
- The LED lights up in case of alarm or tampering (glass breakage).
- The LED flashes in the Test mode.



Battery:

The glass breakage detector requires a 3.6 V 1/2 AA lithium battery. The average battery life is approx. three years. The control unit will inform you in case of a battery running low.

Put the glass breakage detector into operation

1. Open the housing.
2. Insert the battery.
3. Start the control unit's configuration menu and open the menu Sensors → Add. Click on Start.
4. Press the Test button of the glass breakage detector.
5. The configuration page of the control unit should list the glass breakage detector.
6. Add the glass breakage detector.

7. You can test the signal strength at the intended place of installation. For that purpose, go to the intended place of installation, press Range test → Start in the control unit menu Sensors → Range and then press the Test button of the glass breakage sensor. The higher the indicated number the better the reception (1-9).

Note:

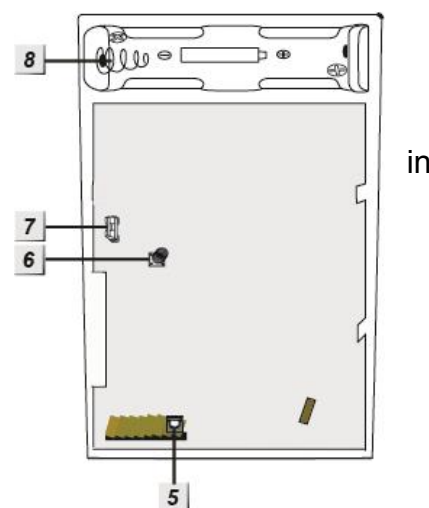
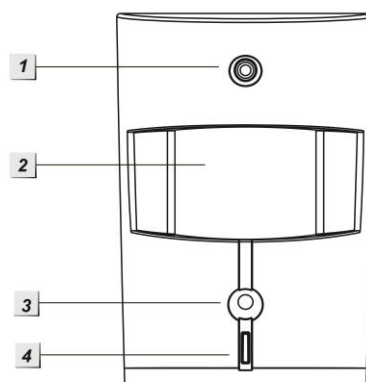
- The sensor list lists the glass breakage detector as door contact.
- You can mount the detector to the ceiling or the wall.
- The glass breakage detector detects sounds and sound shock waves in a 360° radius.
- Make sure that no obstacles are between the window and the glass breakage detector.
- Install the glass breakage detector in open spaces (not in corners), so that the sound waves can reach the sensor from as many sides as possible.
- Do not install the glass breakage detector close to other electric appliances.

Product description

1. Flash
2. Infrared sensor
3. Camera lens
4. Blue LED / Test (Learn) button
5. LED ON/OFF jumper (JP1)
6. Tamper contact
7. Standby mode ON/OFF jumper (JP2)
8. Battery compartment

Blue LED:

- The LED (4) lights up every 20 seconds, if the sensor is not added to the control unit yet.
- The LED flashes three times in case of motion detection when the system is armed.
- The LED flashes once in case of motion detection Test mode.
- If the LED is constantly on, the camera is defect.
- If jumper 5 (JP1) is removed, this deactivates the blue e LED (4) to save energy.



Put the PIR network camera into operation

1. Open the housing.
2. Insert the battery.
3. Start the control unit's configuration menu and open the menu Sensors → Add. Click on Start.
4. Press the Test button of the PIR network camera. The camera flash will light up after approx. 10 to 20 seconds. Release the Test button and press it again for a few seconds.
5. The configuration page of the control unit should list the PIR network camera.
6. Add the PIR network camera.
7. You can test the signal strength at the intended place of installation. For that purpose, go to the intended place of installation, press Range test → Start in the control unit menu Sensors → Range and then press the Test button of the PIR network camera for at least three seconds. The higher the indicated number the better the reception (1-9).

Battery:

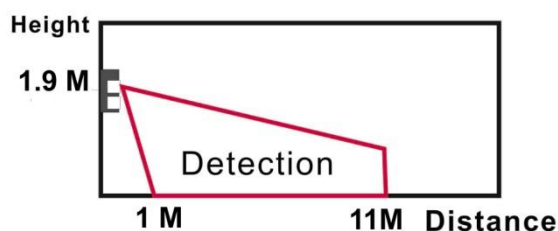
The PIR network camera requires two 1.5 V AA lithium batteries. The average battery

life is approx. three years. The control unit will inform you in case of a battery running low.

Installation:

We recommend installing the PIR network camera at a location which:

- A possible burglar will pass for sure
- Is at a height between 1.9 and 2 metres
- Is in the corner of the room for optimal overview
- Provides for an unrestricted field of view over the room
- The detection range is approx. 12 metres with the camera installed at a height of 2 metres.



- Do not install the PIR network camera with direct view to a door or window secured by a window/door contact. In case of an alarm, both alarm signal may interfere and may not be recognized.
- Do not install the PIR network camera within the detection range of another detector (e.g. motion detector with light in front of the entrance door).
- Do not expose the PIR network camera to direct sunlight.
- Do not install the PIR network camera close to heaters or air conditioning systems or in a conservatory.

Test mode:

Press the Test button for approx. 5 seconds (JP2 must be activated) to set the PIR network camera to Test mode. During this time, the LED lights up upon every motion. Use this function for optimal alignment.

Warm-up phase:

The PIR network camera is set to a one-minute warm-up phase every time the system is armed or set to home mode. During that phase, it cannot detect any motions. Do not trigger any motions, as otherwise the warm-up phase extends by another minute.

Standby mode ON/OFF jumper (JP2):

• Jumper activated (delivery status)

If the camera detects further motions after a motion detection alarm, it will raise another alarm and take a new picture at intervals of approx. 20 seconds.

• Jumper deactivated

After each motion detection, the camera goes into a "sleep" mode to save energy. If another motion is detected during this time, the "Sleep mode timer" extends by another minute.

Note:

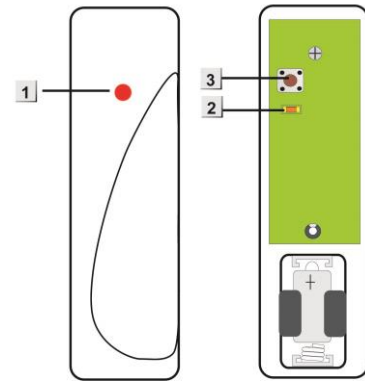
- The horizontal view angle of the PIR network camera is 110°.
- You cannot adjust the sensitivity of the motion detection.
- The flash (1) is activated only with motion detection in the dark.
- The PIR network camera is **not** compatible with the wireless repeater.
- The PIR network camera **cannot** be saved in the configuration file of the XT2.
- A maximum of six PIR network cameras can be integrated in the XT2 control unit.

Temperature sensor

The LUPUSEC-XT temperature sensor measures the temperature at the place of installation and transmits any change directly to the control unit every 2 minutes.

Product description:

1. Temperature probe
2. Internal control LED
3. Test button



Put the temperature sensor into operation

1. Unscrew the screw at the sensor bottom and open the housing.
2. Start the control unit's configuration menu and open the menu Sensors → Add. Click on Start.
3. Press the Test button of the temperature sensor for approx. 15 to 20 seconds.
4. After a few seconds, the control unit menu should list the temperature sensor.
5. If the sensor is not recognized, restart at step 2.
6. Add the temperature sensor and assign a name.

Battery:

The temperature sensor requires a 1/2 AA, 3 V lithium battery. The average battery life is one year minimum. The sensor will inform the control unit in case of a battery running low.

Note:

- The temperature sensor operates within the 2.4 GHz range and is thus prone to interference with WLAN and other radio signal within this frequency range.
- The temperature sensor is **not** compatible with the wireless repeater.
- The operating temperature is between -10 °C and +50 °C.

Temperature sensor with display

The LUPUSEC XT2 temperature sensor measures the temperature and humidity at the place of installation, displays the information and transmits any change of temperature directly to the control unit every 2 minutes.

Product description:

1. Temperature indicator in degrees Celsius or Fahrenheit



Connection established to XT2/XT1
Battery almost empty
RH = Humidity %

2. Learn button

Press the button for at least 10 seconds to transmit the signal for integration. Press it briefly to activate the backlight of the LCD display.

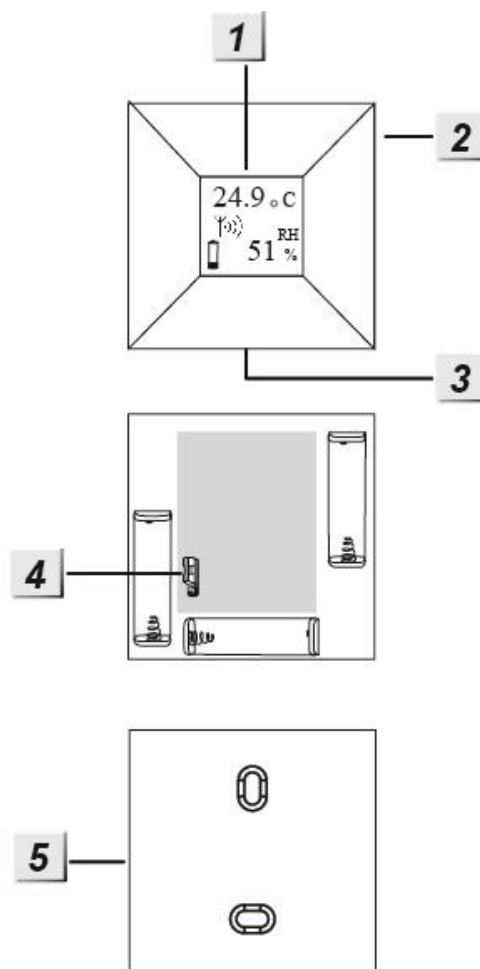
3. Housing lock

4. Celsius / Fahrenheit switch (JP1)

Bridge the two upper of the three pins to display the temperature in degrees Celsius. Bridge the two lower pins to switch to Fahrenheit after restart.

5. Rear unit

The rear unit of the temperature sensor has two notches to fix the housing to the wall with screws.



ENGLISH

Put the temperature sensor into operation

1. Slide the plastic lock on the bottom of the temperature sensor to the left and open the housing.
2. Insert the three supplied AAA batteries in the sensor.
3. Start the control unit's configuration menu and open the menu Sensors → Add. Click on Start.
4. Press the Test button of the temperature sensor for approx. 15 to 20 seconds.
5. After a few seconds, the control unit menu should list the temperature sensor.
6. If the sensor is not recognized, restart at step 2.
7. Add the temperature sensor and assign a name.

Battery:

The temperature sensor requires three AAA, 1.5 V alkaline batteries. The average battery life is one year minimum. The sensor will inform the control unit in case of a battery running low.

Note:

- The temperature sensor is **not** compatible with the wireless repeater.
- The operating temperature is between -10 °C and +50 °C.

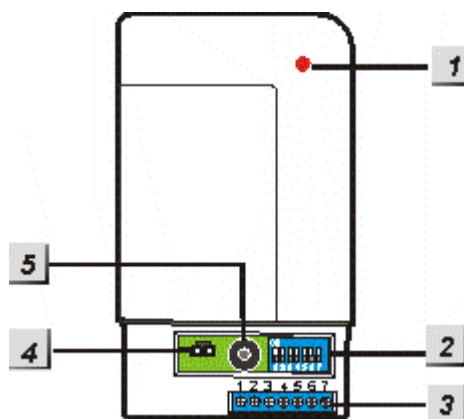
Wireless relay

Product description:

1. Control LED
2. Function switch
3. Terminal clamps
4. 9 V jumper
5. Buzzer

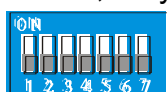
Scope of delivery:

- 1 x 9 V DC power supply unit
- 2 x screws and dowels
- 1 x Attachment strip
- 1 x Data sheet / instructions
- 1 x Wireless relay manual



Put the wireless relay into operation

1. Open the bottom of the wireless relay.
2. Connect the supplied power supply unit (9 V DC) to the wireless relay.
3. A blue switch bay with altogether seven switches is located on the right side. By default, they are all set to OFF (down).



4. The following table lists the functions of the switches:

SW1		Mode to add the relay to the control unit
OFF		Off
ON		On
SW2		<i>Not occupied</i>
SW3	SW4	Relay functions
ON	ON	ON with alarm until deactivated manually
ON	OFF	ON for 3 minutes with alarm or until deactivated manually
OFF	OFF	ON when arming/OFF when disarming
SW5	SW6	Alerting method
ON	ON	Perimeter alarm (burglary alarm)
OFF	ON	ON with fire alarm
ON	OFF	ON with water alarm
OFF	OFF	ON with all alarms
SW	ON	Factory reset

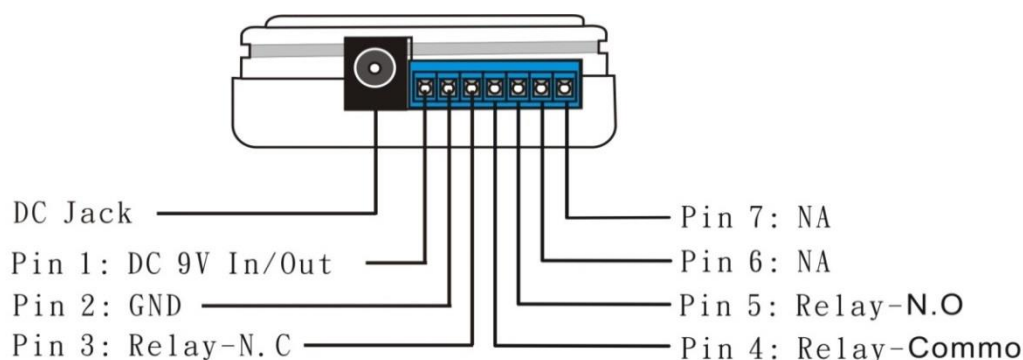
5. To put the wireless relay into operation, set SW1 from OFF to ON. The control lamp of the wireless relay lights up briefly for confirmation.
6. Start the control unit's configuration page, open the menu "Sensors" → "Devices" and click on the first item "Apply device". Specify in the drop-down menu, to which area you want to add the wireless relay.
7. The control unit should recognize the wireless relay and confirm this with a long signal. If not, repeat step 5.

8. Set SW1 of the wireless relay back to OFF. The LED of the wireless relay should light up every second.

Note:

- None of the menus of the XT2 control unit lists the wireless relay; it is not even a sensor, as it cannot trigger an alarm. You can verify the successful integration, if the wireless relay clicks when the control unit is armed (SW 3 + 4 off).
- Please note that the wireless relay acts like an external siren. If the siren is deactivated, then the wireless relay is too (see chapter “Siren”)!

Seven screw terminals are located on the bottom of the relay. The following figure shows their occupation:



Pin 1 + 2 supply a constant 9 V DC output current. Pin 1 is the plus pole, pin 2 the minus pole.

Pin 3: Normally closed (NC)

Pin 4: Common (C)

Pin 5: Normally open (NO)

Examples:

If you want to activate a device in case of alarm (depending on switch state 3+4) with 9 V power, it must be connected to pin 2 (GND) and pin 5 (NO). If you want to use only the dry contact in case of alarm (relay circuit), connect the device to pin 4(C) + 5 (NO).

If you want to always use 9 V output voltage, except for a relay circuit, use pin 2 (GND) and pin 3 (NC). If you want to always use a dry contact except in case of alarm (relay circuit), connect pin 3 (NC) + 4 (C).

If you remove the 9 V jumper, only the dry contact can be used or the constant output voltage can be tapped from pin 1 + 2. The combination of pin 2 and 5 or 2 and 3 is not possible anymore.

Output capacitance:

The relay has a contact capacitance from 1 A 30 VDC to 1 A 120 VAC

Maximally 300 mA are available for the 9 VDC output.

Magnetic locking device

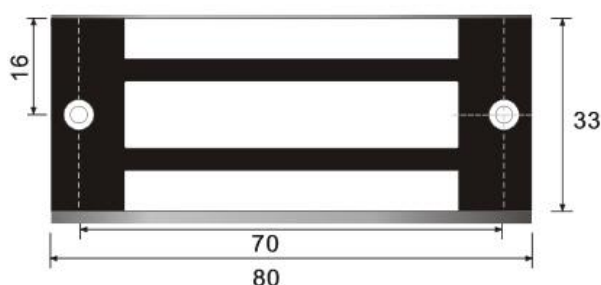
Product description:

The magnetic locking device is used to lock doors magnetically, mainly to prevent false alarms triggered by opening the door before the alarm system is disarmed. You can unlock the magnetic locking device with an effort of 60 kg.

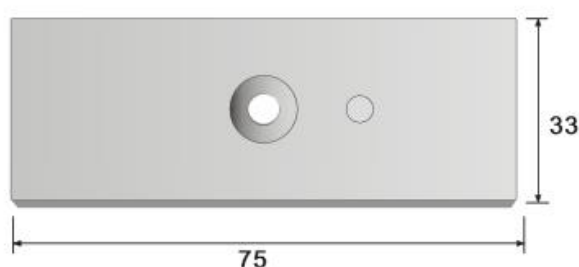
The magnetic locking device works together with the **wireless relay** and can be connected to the alarm system via the wireless relay (which is included in the scope of delivery). It is supplied with electrical power by a 12 V 1 A power supply unit connected to the wireless relay. The locking device must be connected to the wireless relay to be supplied with power. Connect the black cable to pin 2 (GND) and the red cable to pin 5 (relay - N.O.). Depending on the switch setting of the wireless relay (see manual of wireless relay), the wireless relay switches at different times. The DIP switches SW3+4 are deactivated by default, so that the locking device is activated, when the alarm system is armed, and deactivated, when the alarm system is disarmed. Therefore, you can pass through the door with a locking device installed only, if the alarm system is disarmed.

Dimensions:

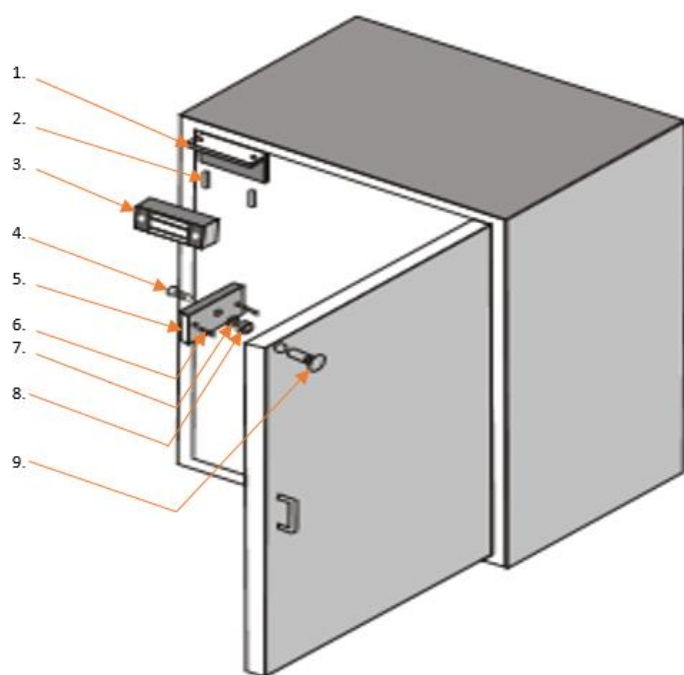
Magnetic locking device



Metal plate



Installation to doorframe:



1. Bracket for magnetic lock
2. 2.5 cm screw
3. Magnetic lock
4. Allen screw (0.5 cm)
5. Metal plate
6. Metal tube (horizontal fixing)
7. Washer (metal)
8. Washer (rubber)
9. Pinch screw

Installation of metal place to door leaf:

We recommend installing the metal plate (5.) to the top of the door leaf opposite the door hinge. Fix the drilling template to the inside of the door. You need a 0.3 cm and a 0.57 cm drill to pre-drill the holes for the metal plate bracket. Use the 5.7 mm drill to drill the middle hole in the template through the door and machine away an indentation with a depth of 2.4 cm and a diameter of 0.9 cm Ø for the pinch screw (9.) on the opposite side. The 4 mm holes on the outside are intended to horizontally fix the metal plate. Before you attach the metal plate, you need to insert the metal tubes (6.) into the metal plate (5.), using pincers. Push the Allen screw with countersunk head (4.) through the metal plate (5.) and then through the two washers (7. + 8.). Insert the Allen screw and the metal tubes in the appropriate holes; insert the pinch screw (9.) in the indentation through the back of the door. Screw the Allen screw into the pinch screw to fix the metal plate at the door.

Installation of bracket to door frame:

For the installation, at first remove the pre-assembled bracket (1.) from the magnetic lock by unscrewing the two Allen screws at the front of the magnetic lock. Then fix the bracket at the doorframe in parallel to the door leaf, using the two smaller countersunk screws. Make sure that the magnetic locking device is flush with the metal plate (5.) after the installation, by lifting the bracket and the magnetic lock to the door before you fix it. Finally, reassemble the magnetic lock and the assembled bracket, using the Allen screws.

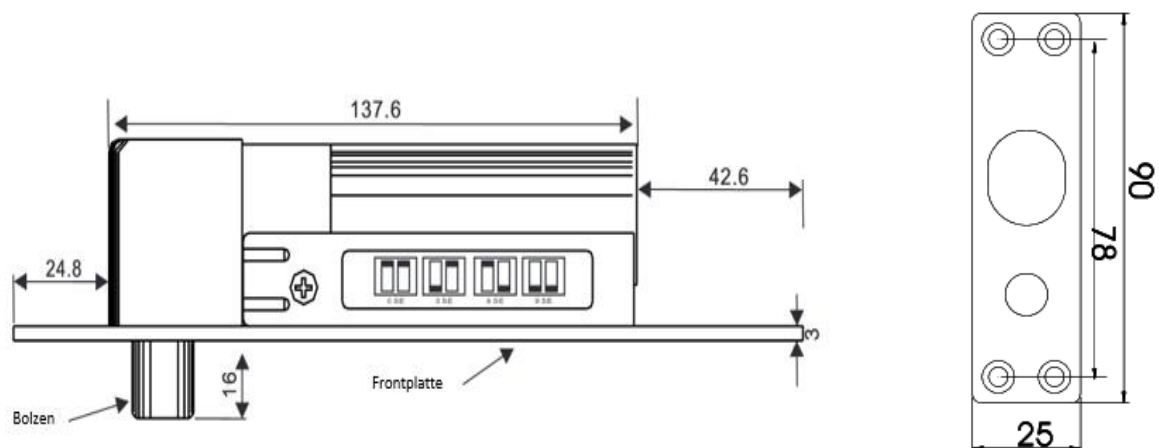
Mechanical locking device

Product description:

The magnetic locking device is used to lock doors mechanically with a bolt to prevent accidentally entering of armed safety areas in connection with a burglary alarm system or to deny access to unauthorized persons in access controls. The mechanical locking device this is part of a triggering mechanism to fulfil the inevitability. The locking device locks only after the door was closed. Depending on the doorframe stability, the mechanical locking device can withstand a weight of 600 kg maximum.

The mechanical locking device works together with the **wireless relay** and can be connected to the alarm system via the wireless relay (which is included in the scope of delivery). It is supplied with electrical power by a 12 V 1 A power supply unit connected to the wireless relay. The locking device must be connected to the wireless relay to be supplied with power. Connect the black cable to pin 2 (GND) and the red cable to pin 5 (relay - N.O.). The mechanical lock can extend only, if the magnetic plate is fixed to the opposite side for safety reasons. Depending on the switch setting of the wireless relay (see manual of wireless relay), the wireless relay switches at different times. The DIP switches SW3+4 are deactivated by default, so that the locking device is activated, when the alarm system is armed, and deactivated, when the alarm system is disarmed. Therefore, you can pass through the door with a locking device installed only, if the alarm system is disarmed.

Dimensions:



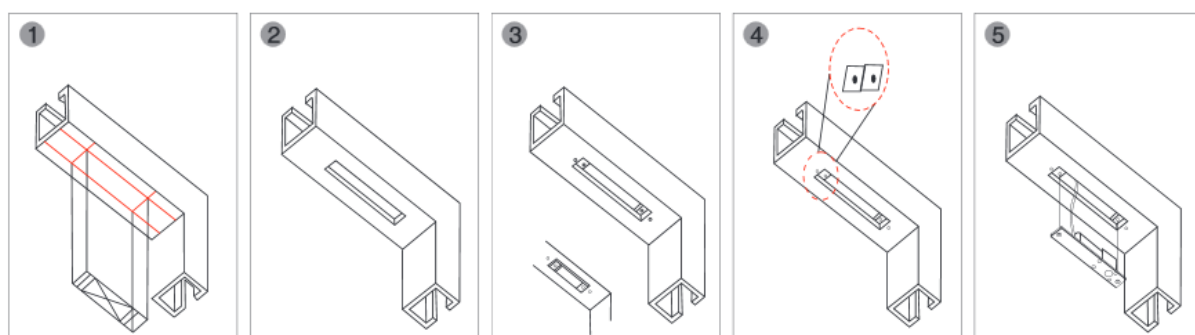
Install the mechanical locking device to the doorframe and put it into operation

Installation to door frame (without bracket):

Figure 1



Figure 2



AS shown in the assembly figures 1 and 2, the locking device must be sunk into the frame (**without bracket**). This is usually possible with wooden frames only. It is essential that the door reaches at least up to half of the doorframe and the magnetic plate is installed in parallel to the locking device (figure 1). Finally, you need to fix the magnetic plate at the door and drill the hole (depth 1.6 cm; width 1.4 cm Ø) for the bolt.

Installation with bracket:

In most of the cases, the mechanical locking device is mounted using a bracket.

Figure 3

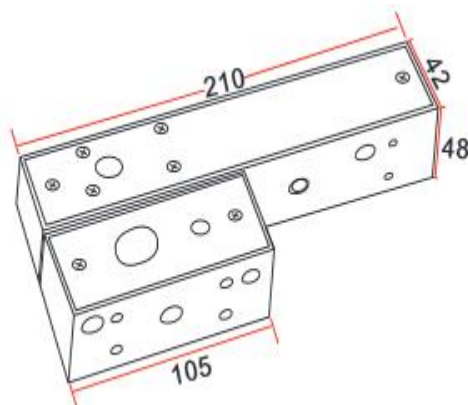
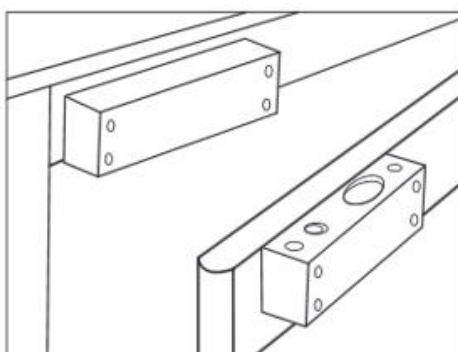


Figure 4



Install the brackets as far away as possible from the door hinge (see figure 4) to ensure the maximum stability of the brackets. It does not matter, whether you install the bracket on top or to the side of the door. To mount the housing to the door, unscrew the two Phillips screws at the end of the bracket beforehand. Then you can push the bracket cover to the side and fix the bracket at the door with screws. After having tightened the bracket, you can reinstall the cover and fix it with screws. The locking device is inserted in the bigger of the two brackets and fixed; the counterpart with magnet is inserted in the smaller one. Before you mount the bolt-locking device to the bracket, you have to decide which of the two cable outlets you want to use.

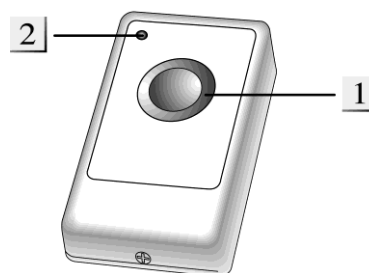
Panic button

Product description:

1. Panic button

If this button is pressed for at least 3 seconds, the control unit will trigger an alarm regardless of which state the alarm system is in (Arm / Disarm / Home).

If this button is pressed for at least 8 seconds, the panic alarm stops.



2. TX LED indicator

Briefly lights up upon signal transmission.

Battery:

The panic button requires a 3 V 240 mAh lithium button cell. The average battery life is approx. three years. The control unit will inform you in time about the battery running low.

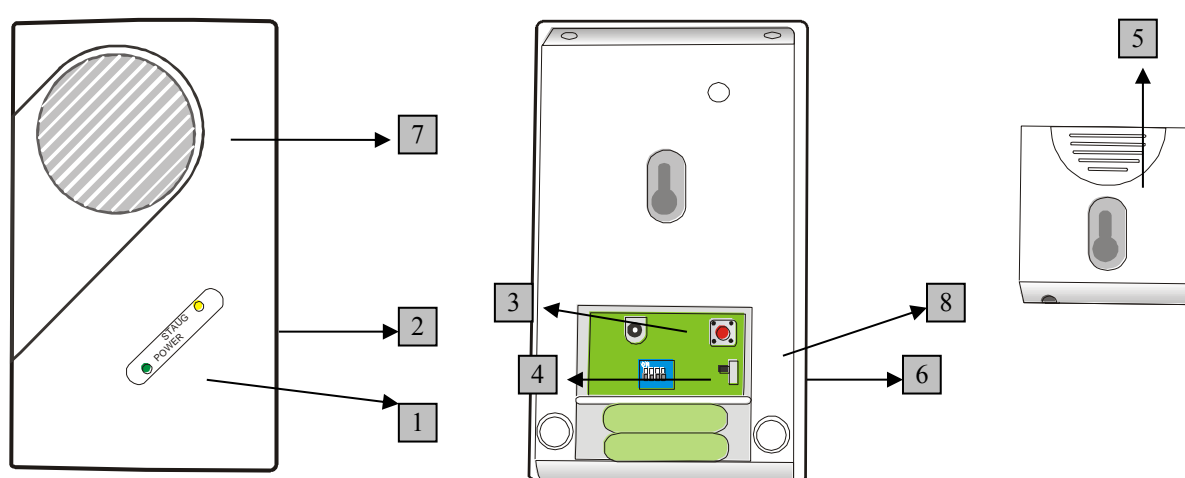
Put the Panic button into operation

1. Unscrew the screw at the bottom and open the housing.
2. Insert the battery with the flat side up.
3. Close the housing.
4. Open the configuration page of the control unit, open the menu "Sensors" → "Add" and click on Start.
5. Press the red panic (test) button.
6. The configuration page of the control unit should list the panic button.
7. Add the panic button.
8. You can test the signal strength in the Range menu. For that purpose, go to the intended place of installation, press Range test → Start in the control unit menu Sensors → Range and then press the Test button of the panic button. The higher the indicated number the better the reception (1-9).

Wireless repeater

You can connect only a limited number of sensors to the LUPUSEC XT2. If the range of one or more sensors is insufficient, you can increase this range with the wireless repeater. You can almost double the transmission range with a repeater, because the sensors are sending their signals first to the repeater and then the repeater relays these signals to the control unit. The wireless repeater is not a sensor and therefore not listed in the sensor list.

The repeater works on the 868.6625 MHz frequency and can amplify only sensors within this frequency range. The repeater does not support the PIR network camera, temperature sensors, wireless sockets, in-wall relays, and the mini indoor siren.



1. Green LED: status indicator
 - On = Standby
 - Off = Off
 - Flashing = low battery
2. Red LED: signal transmission
 - On = A signal is transmitted or received
 - Flashing = incorrect switch setting
3. 9 V DC 500 mA power supply connection
4. Cover
5. Mount
6. Battery switch ON/OFF
7. Buzzer
8. Delete memory button

Note:

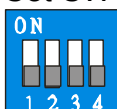
We strongly recommend installing the repeater at a minimum distance of 20 metres from the control unit to avoid signal interference.

Battery:

The repeater has a rechargeable internal Ni-MH 600 mAH 4.8 V battery, which works as an emergency power back up for up to 30 hours in case of power failure. In this case, the green LED remains on. The battery requires approx. 48 hours to load. A signal is sent to control unit if the battery runs low.

Connect the repeater to the control unit

1. Connect the supplied power supply unit. The green LED will light up and the repeater emits a long beep.
2. Set SW1 to ON:



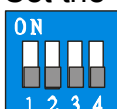
3. Start the configuration page of the control unit, open the menu **Sensors** → **Devices** and click on the top item “**Activate device**”. Use the drop-down menu to specify, to which area you want to add the repeater.
4. The repeater will emit a signal once and the red LED will light up for one second, thus confirming the successful activation of the repeater.
5. Set SW1 back to the OFF position.

Note:

- The repeater is connected to the control unit, but there is no entry in the control unit.
- To test whether the repeater is already connected to the control unit, repeat steps 1 to 4. The repeater emits two short signals to confirm the successful connection.

Connect sensors to the repeater:

1. Connect the supplied power supply unit. The green LED will light up and the repeater emits a long beep.
2. Set the SW1 switch to ON:



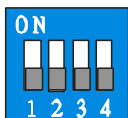
3. Activate the test (learn) mode of the respective sensor by pressing the test button as specified in the sensor manual.
4. The repeater sounds a long signal and the red LED will light up for one second. Repeat this process for all sensors to be amplified. (If a sensor was already added, the repeater acknowledges this with two short signals.)
5. Set SW1 back to the OFF position.

Additionally connect sensor to the control unit:

1. If the sensor (with the weak signal strength) was already added to the control unit, you do not have to repeat this process. The repeater already amplifies the sensor signal to be verified by means of a range test.
2. Otherwise, proceed as usual via the menu **Sensors** → **Add sensors** → **Start** to add a sensor to the control unit, after having connected the sensor to the repeater. For detailed instructions, please refer to the respective sensor manual.

Manual test of connection between sensor and repeater:

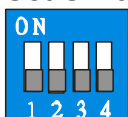
1. Use this function to test whether a sensor added to the repeater is already or still connected to the repeater.
2. Set SW2 to ON.



3. Press the test (learn) button of the sensor, which was added already to the repeater. If the connection to the repeater is available, the repeater will sound a long signal and the red LED light sup for one second.
4. After having tested the connection of all required sensors to the repeater, set SW2 back to OFF.

Factory settings:

1. Set SW3 to ON



2. Press and keep pressed the (red) "Delete memory button" for at least 5 seconds. A long signal sounds. This deletes all sensors and their activation/connection to the XT2 control unit!
3. Set SW3 back to OFF.

Note:

- A repeater can be activated for one control unit (area) maximum and supports a maximum of 80 sensors. If you try to add more than these 80, the control unit will sound six short beeps.
- You **cannot** use the following sensors/devices with the wireless repeater: PSS devices (wireless sockets, in-wall relays), PIR network camera, temperature sensors, wireless relay, mini indoor siren, wireless repeater (cascading).
- As long as a sensor learned to the repeater is able to transmit its signal strength directly to the control unit, this (weaker) signal is shown in the web interface. You can test the proper function of the sensor by increasing the sensor's distance to the control unit and performing a range test. If the signal strength now increases, the sensor transmits via the repeater. In case of an alarm, the sensor will reach the control unit one way or the other.

CO detector

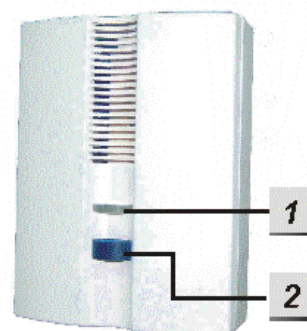
Product description:

1. Two colour LED

- Flashes yellow: low battery
- 2 x red + 2 beeps: transmission
- Flashes red: Alarm

2. Test button

- Activates the test and range mode
- Deactivate alarm



Note:

- The LUPUSEC CO detector reports exclusively the escape of carbon monoxide.
- We recommend installing the CO detector at a height of approx. 1.5 metres, as carbon monoxide weighs about as much as air and is evenly distributed in the room.

Battery:

The CO detector requires three AA batteries 1.5 V. The average battery life is two years. The CO detector will inform the control unit, if the battery is running low about two months before they are empty.

Put the CO detector into operation:

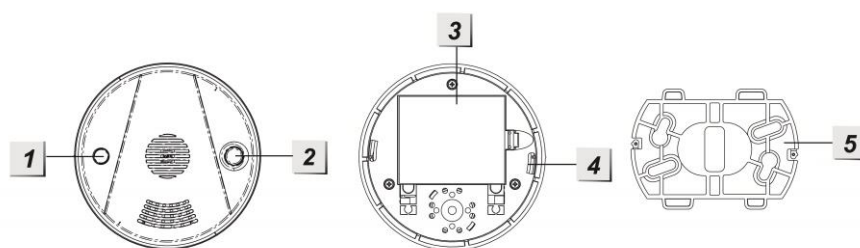
To put the CO detector into operation, proceed as follows:

1. Insert the supplied batteries.
2. After their insertion, the CO detector emits two short beeps and the LED lights up once in red.
3. Close the housing.
4. Open the configuration page of the control unit, open the menu “Sensors” → “Add” and click on Start.
5. Press the test button of the CO detector for about one second.
6. The configuration page of the control unit should list the CO detector.
7. Add the CO detector.
8. You can test the signal strength in the Range menu. For that purpose, go to the intended place of installation, press Range test → Start in the control unit menu Sensors → Range and then press the Test button of the CO detector. The higher the indicated number the better the reception (1-9).

Heat detector

Product description:

The heat detector is equipped with two internal sensors, which on the one hand measure the velocity of the temperature increase and on the other hand the actual ambient temperature. If the temperature rises at more than 8.3 °C per minute or the ambient temperature exceeds 57.3 °C, an alarm is triggered. The heat detector is usually installed in kitchens, as customary smoke detectors often cause false alarms due to the formation of smoke.



1. Red LED

- On, if batteries are low or a defect is available
- On for 2 seconds: alarm is transmitted
- Flashes every 30 seconds: low battery

2. Test button

- Activates the test and range mode
- Deactivate alarm

3. Battery compartment

4. Installation notch

5. Retaining fixture

Battery:

The heat detector requires three AA batteries 1.5 V. The average battery life is three years. The heat detector will inform the control unit, if the battery is running low about two months before they are empty.

Put the heat detector into operation:

To put the heat detector into operation, proceed as follows:

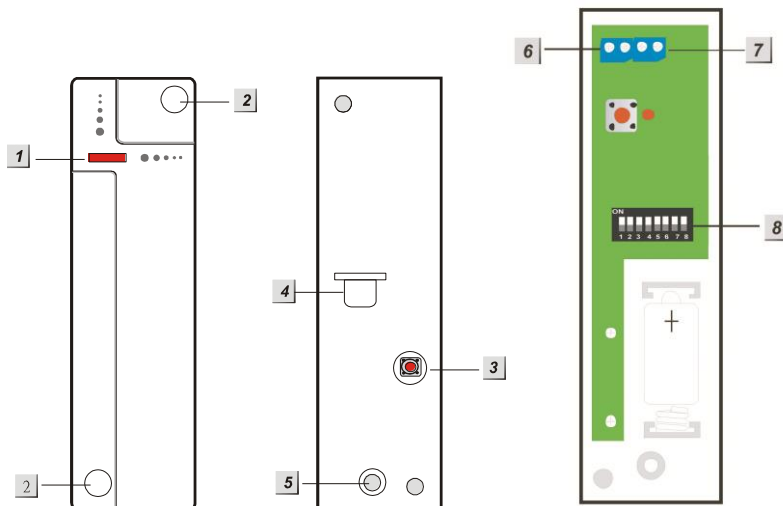
1. Insert the supplied batteries.
2. After their insertion, the heat detector emits two short beeps and the LED lights up once in red.
3. Close the housing.
4. Open the configuration page of the control unit, open the menu "Sensors" → "Add" and click on Start.
5. Press the test button of the heat detector for about one second.
6. The configuration page of the control unit should list the heat detector.
7. Add the heat detector.

8. You can test the signal strength in the Range menu. For that purpose, go to the intended place of installation, press Range test → Start in the control unit menu Sensors → Range and then press the Test button of the heat detector. The higher the indicated number the better the reception (1-9).

Wireless sensor input

Product description:

The wireless sensor input is a module with two potential-free switch contacts connected wirelessly to the control unit. If the contacts are closed, an alarm is triggered. It is therefore suitable to be used for already available window/door contacts in a wired system or additional sensors by third-party providers (access control, fingerprint, light barrier, door bolt contact etc.).



1. LED indicator and test button
2. Mounting holes
3. Tamper contact
4. Battery breaker
5. Screw to open housing
6. Potential-free switch contacts (2)
7. Potential-free switch contacts (2) for shutters
8. DIP switches precision adjustment

LED indicator:

The LED lights up with every signal transmission and if the tamper contact is triggered.

Battery:

The wireless sensor input requires a ½ AA 3.6 V Lithium battery. The average battery life is 2.8 years. The control unit is informed if the battery is running low.

DIP switch functions:

Use the switches 1-4 to assign a function to the wireless sensor input and thus define whether it is to be listed in the control unit as door contact, motion detector, smoke detector, or panic button. Never activate (ON) more than one of the four switches simultaneously. Afterwards, add the sensor to the control unit.

SW1	Door contact (DC-11C2)
ON	Activated (default)
OFF	Deactivated
SW2	Motion detector
ON	Activated
OFF	deactivated (default)
SW3	Smoke detector
ON	Activated
OFF	deactivated (Default)
SW4	Panic button
ON	Activated
OFF	Deactivated (default)
SW5	Status signal
ON	Activated (default for 868NF))
OFF	Deactivated (default for 868WF)
SW6	CON4 NO/NC
ON	Normally open (NO)
OFF	Normally closed (NC default)
SW	Shutter
ON	5 pulse / 10 sec
OFF	3 pulse / 10 sec (default)
SW8	Reserved

Status signal

If SW5 is set to ON, then the wireless sensor input transmits a status signal to the control unit every 30 to 50 minutes. If the control unit does not receive the signal, it will alert.

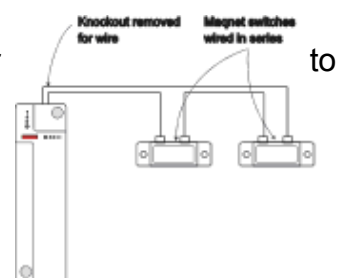
Put the wireless sensor input into operation:

To put the wireless sensor input into operation, proceed as follows:

1. Insert the supplied batteries.
2. Define the function with switch SW 1-4.
3. Connect the contact to the required potential-free switch contact.
4. Close the housing.
5. Open the configuration page of the control unit, open the menu "Sensors" → "Add" and click on Start.
6. Press the test button of the wireless sensor input for about one second.
7. The configuration page of the control unit should list the wireless sensor input.
8. Add the wireless sensor input.
9. You can test the signal strength in the Range menu. For that purpose, go to the intended place of installation, press Range test → Start in the control unit menu Sensors → Range and then press the Test button of the wireless sensor input. The higher the indicated number the better the reception (1-9).

Example: How to connect a wireless sensor input to available wired detectors:

1. Open the housing of the wireless sensor input.
2. The plastic material of the housing is thinner on top. This is where you can break through to insert the cable in the housing.
3. Connect the cable to terminal 6 of the wireless sensor input. Depending on the function (SW 6), set the detector either to “Normally open” or “Normally closed”.
4. If the circuit is closed or opened (depending on SW6 setting), this is reported to the control unit.



Shutter function (SW)

If you connect a two-wire cable to terminal 7 (see figure), the sensor will transmit an alarm signal only, if it received 3 or 5 pulses (SW) within 10 seconds (example: shutter is forced open).

Wireless lock contact

Product description:

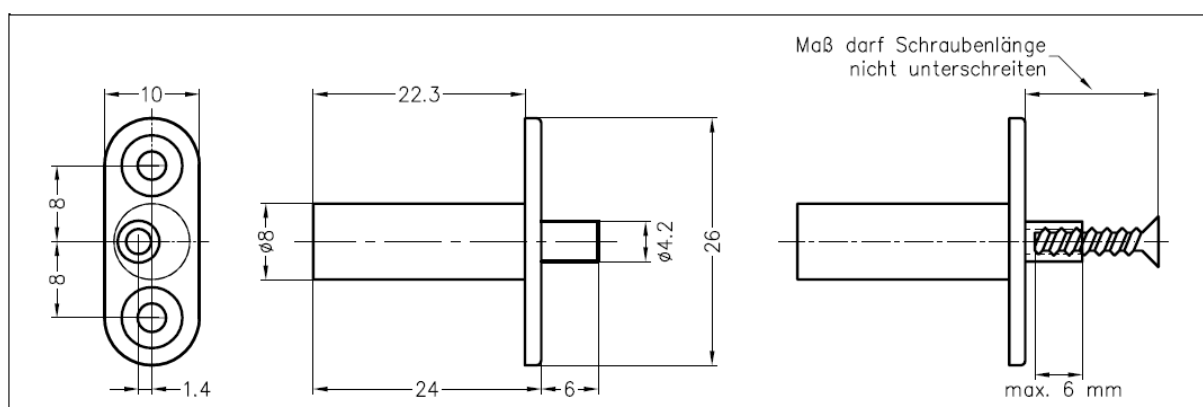
The wireless lock contact works together with the **wireless sensor input**. If the contact is opened, an alarm or an entry delay can be triggered, depending on the settings. In addition, the XT2 control unit can be armed or disarmed by unlocking/locking.

Install the wireless lock contact to a door and put it into operation:

1. At first, drill a 25 mm deep hole into the latch/batch of the lock using an 8 mm drill. If you want to route the cable lock contact back through this hole, you need either to use a larger drill or execute the hole in a slightly eccentric way.
2. Two options are available to fasten the lock contact:
 - a. Screw the lock contact by means of the clamping flange and the supplied (**pointed**) countersunk screws 2.9 x 13 onto wood, plastic, or metal (pre-drill: 2 mm).
 - b. Provided that the hole to support the lock contact is executed as a blind bore, the lock contact can be fixed with silicone or similar in the hole.
3. If the latch does not press the pin of the lock contact to the acting point, you can extend it by means of the two provided adjusting screws (2.9 x 9.5 und 2.9 x 13 – **not pointed**). Using an adjusting screw does not affect the actuating path, which is always 6 mm. You need to fix the adjusting screw afterwards by means of a bolt adhesive (Loctite or similar).

Note:

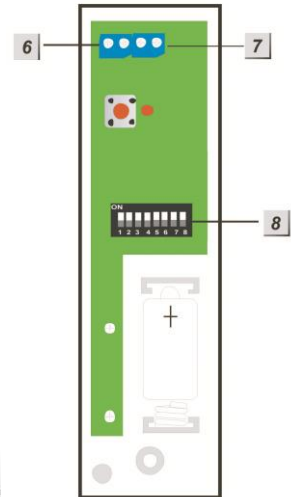
- Do not insert the adjusting screw into the actuating pin by more than 6 mm (see figure)!
- If the lock contact is to be used for sliding doors (usually hook bolts are used), you can also install it vertically.



To put the wireless lock contact into operation, proceed as follows:

1. Insert the supplied battery.
2. Set the **DIP switch 1 to ON** as described.

3. Connect the contacts of the lock contact cable to **terminal 6**.
4. Close the housing.
5. Open the configuration page of the control unit, open the menu "Sensors" → "Add" and click on Start.
6. Press the test button of the wireless lock contact for about one second.
7. The configuration page of the control unit should list the wireless lock contact.
8. Add the wireless lock contact.
9. You can test the signal strength in the Range menu. For that purpose, go to the intended place of installation, press Range test → Start in the control unit menu Sensors → Range and then press the Test button of the wireless lock contact. The higher the indicated number the better the reception (1-9).
10. Open the sensor list, find the lock contact and click on "Edit".
11. For the XT2 to be armed if the door is locked, tick "Set/Unset" (Sensors→ List → Edit), then select "Normally open" and confirm the entry with "OK".



ENGLISH

LUPUS XT2

Home Zentrale **Sensoren** Netzwerk Einstellung System

LUPUS Liste Hinzufügen Reichweite Sirene Firmwar

Sensor editieren

Türkontakt

ID: RF:00003710

Version:

Name: Riegelschalt-Kontakt

Area: 1

Zone: 7

Bypass: ☐

Melden: ☒

Alle Areas: ☐

Set/Unset: ☒ Normal Offen
Normal Geschlossen
Normal Offen

24 HR: ☐

Disarm Antwort: Türklingel

Arm Antwort: Eingangverzögerung 1

Home 1 Antwort: Eingangverzögerung 1

Home 2 Antwort: Eingangverzögerung 1

Home 3 Antwort: Eingangverzögerung 1

Hausautomationsbefehl ausführen: Deaktiviert

Exit: ☒ No Response

OK Default Reset oder Zurück

In-wall relay with electric meter

1. LED indicator

On: relay on

Off: relay off

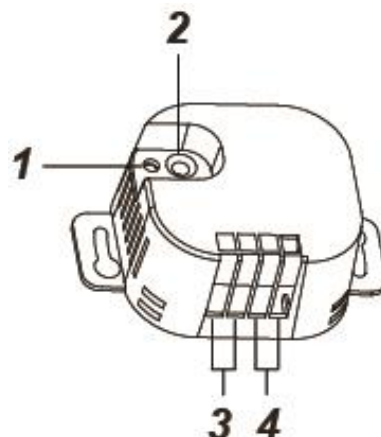
Flashes twice: signal transmission

2. Test button

Keep the button pressed for 10 seconds to send the learn signal to the control unit. Pressing the button briefly activates or deactivates the relay.

3. 230 V input

4. 230 V output



Caution:

Only a certified electrician or electrically instructed person knowing and understanding current and the inherent hazards is allowed to perform the installation. Improper handling may cause electric shock!

Put the in-wall relay with electric meter into operation

1. Connect the 230 V supply line (brown = L and blue = N) to the input (3). Grounding (green-yellow) is not required.
2. Connect the 230 V power cable (brown = L and blue = N) to the output (4)
3. Open the control unit menu → Sensors → Add and click on Start.
4. Keep the Test button (2) pressed for approx. 10 seconds. The relay transmits the learn code and the LED flashes twice after about 5-6 seconds.
5. Add the in-wall relay to the sensor list.

Range test:

1. Open the control unit menu → Sensors → Range and press Start.
2. Press the Test button of the relay.
3. The sensor and the signal strength should be indicated.

Note:

- The relay can be activated and deactivated manually on the website.
- You can save dynamic or scheduled programming in the Automation menu.
- After a power failure, the in-wall relay returns to the last state before the power failure.
- The in-wall relay is **incompatible** with the wireless repeater and cannot be saved in the backup configuration file.
- The sensor list indicates the power consumption.

In-wall relay without electric meter

1. Test button

- Keep the button pressed for 10 seconds to send the learn signal to the control unit.
- Pressing the button briefly activates or deactivates the relay.

2. LED indicator

- a. On: relay on
- b. Off: relay off
- c. Flashes twice: signal transmission

3. Switch input

4. Switch input (3 V reference)

5. 3 V output - direct current (DC)

6. 230 V AC input

Phase (brown - L)

7. 230 V AC input

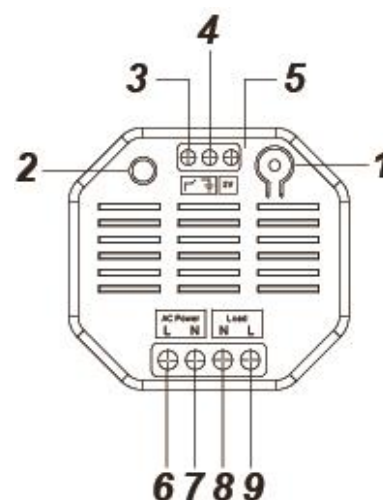
Neutral conductor (blue - N)

8. 230 V AC output

Phase (brown - L)

9. 230 V AC output

Neutral conductor (blue - N)



ENGLISH

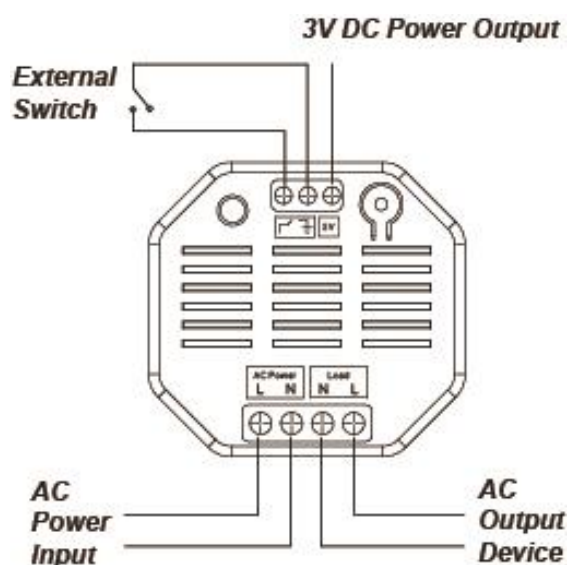
Caution:

Only a certified electrician or electrically instructed person knowing and understanding current and the inherent hazards is allowed to perform the installation.

Put the in-wall relay without electric meter into operation

1. Interrupt the electrical power supply during the installation to prevent short circuits.
2. Connect the 230 V supply line to the input (6 + 7) and the 230 V end device cable to the output (8 + 9).
3. To be able to actuate the relay externally, connect an additional switch to the switch input (3 + 4). If the external switch requires a 3 V direct current connection, connect it to the 3 V direct current output (5) of the in-wall relay.
4. Open the control unit menu → Sensors → Add and click on Start.
5. Keep the Test button (2) pressed for approx. 10 seconds. The relay transmits the learn code and the LED flashes twice.
6. As soon as the control unit received the learn code, the sensor list indicates the sensor. Add the in-wall relay to the control unit with "Add".

Cable connection diagram:



Range test:

1. Open the control unit menu → Sensors → Range and press Start.
2. Press the Test button of the relay.
3. The sensor and the signal strength should be indicated.

External switch:

- You can use an external switch for easier handling.
- The operation of the external switch is similar to the direct operation of the Test button (activates or deactivates the relay).

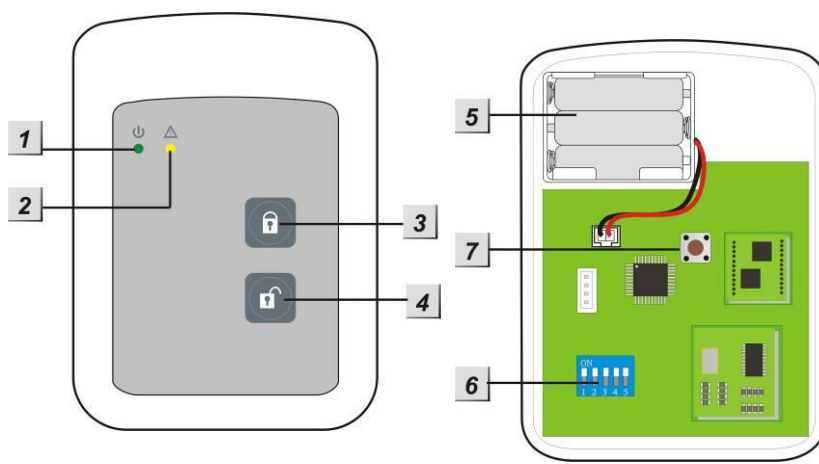
Note:

- The relay can be activated and deactivated manually on the website.
- You can save dynamic or scheduled programming in the Automation menu.
- The maximum load at 110 V is 1100 W and 10 A. Do not exceed these limits!
- The maximum load at 230 V is 2300 W and 10 A. Do not exceed these limits!
- After a power failure, the in-wall relay returns to the last state before the power failure.
- The in-wall relay is **incompatible** with the wireless repeater and cannot be saved in the backup configuration file.
- The in-wall relay is a new edition (version 2, available since the end of 2014).

Tag reader

Product description:

1. Power LED (green)
2. Status LED (red)
3. Arm button
4. Disarm button
5. Batteries



6. Function switches
7. Tamper contact
8. Tag (watertight)

LED indicators:

Both LEDs are off in the stand-by mode.



- **Power LED (green):**

- If a button is pressed, the Power LED lights up for 5 seconds to indicate the operational readiness of the tag reader.
- The Power LED flashes instead of being on constantly to indicate the battery running low.

- **Status LED (red):**

- Flashes fast upon signal transmission.
- Is permanently on in tag learn mode.
- Flashes in installation mode.

Battery:

- The tag reader requires three AAA 1.5 V alkaline batteries. The average battery life with two activations per day is approx. four years.
- The tag reader indicates the low battery status by the Power LED flashing. The control unit is additionally informed about the battery status.

Power saving function:

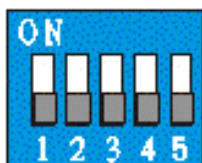
- As long as the tag reader is not used, it does not consume any electric power. Only when a button is pressed is the tag reader activated for 5 seconds.
- The tag reader goes off again automatically after 5 seconds.

Tamper protection:

- The tag reader is protected against being opened in an unauthorized way or being removed from the mounting surface.
- If the tamper contact is triggered, the Power LED lights up and a warning signal sounds. The control unit is informed about the tampering.
- If the control unit is armed, the triggered tamper contact triggers an alarm.
- In learn mode, the tamper contact is deactivated.

Function switches:

If the tag reader housing is open, you will see the function switch block with five switches. These switches are all set to OFF by default.



Switch no.	Position	Description
SW 1	ON	Learn / add mode
	OFF	Normal Operation Standard)

SW 2	ON	Factory setting
	OFF	Normal operation (default)
SW 3	OFF	System setting MUST be OFF , as otherwise no function
SW 4	OFF	
SW 5	OFF	Reserved

Put the tag reader into operation

Installation of the tag reader:

1. Install the tag readers indoors only.
2. Remove the front of the tag reader by unscrewing the lower screw.
3. Use both screw holes to mark the drill holes at the wall.
4. Make sure that the tamper contact of the tag reader lies flat on the ground.
5. Tighten the tag reader.
6. Insert the batteries. The Power LED goes on for a few seconds and a signal sounds.

Add the tag reader to the control unit:

1. Open the control unit menu and then the sub-menu Sensors → Add and click on Start.
2. Start the installation mode by pressing the Arm or Disarm button and then promptly setting switch 1 to ON. The Status LED starts flashing and one long signal followed by two short signals sound.
3. Press the Disarm button of the tag reader.
4. The control unit indicates the tag reader as “Keypad” (XT-1) or “Tag reader” (XT2).
5. Add the tag reader to the control unit.
6. Exit the learn mode of the control unit.
7. Leave the installation mode of the tag reader by setting SW1 to OFF again, which is acknowledged with four short signals. Then reinstall the front of the tag reader by tightening the lower screw.

Note:

The installation mode ends automatically after five minutes at the latest. To restart the installation mode, you need to set SW1 to ON again.

Add a tag to the tag reader:

1. Start the installation mode by pressing the Arm or Disarm button and then promptly setting switch 1 to ON. The Status LED starts flashing and one long signal followed by two short signals sound.
2. Press the Arm button once to start the tag learn mode. The Status LED lights up for five seconds and one signal sounds.
3. During this time, hold a tag in front of the tag reader panel. The Status LED flashes fast three times and two signals sound, indicating the successful integration of a tag in the tag reader.
4. If you want to add several tags, hold them one after the other (at intervals of 5 seconds) in front of the tag reader re restart the entire process.
5. Exit the installation mode of the tag reader by setting SW1 back to OFF.

Note:

- With the new tag reader version (available since the beginning of 2015), you can add an unlimited number of tags.
- You can add a tag to an unlimited number of tag readers.
- Only one signal indicates that this tag was already added.
- Four signals indicate that the maximum tag number (6) is reached.

How to use the tag reader:

After having completed the tag reader installation as described above, you can use the tag reader as follows:

1. Arming/disarming
Press the Arm or Disarm button once to activate the tag reader.
2. You have five seconds to hold a tag in front of the tag reader. If the tag is recognized within this time, the control unit is armed or disarmed.

Caution:

If there are system errors available in the control unit when the system is armed, repeat the arming process within 10 seconds, as otherwise the system remains disarmed! Alternatively, you can activate the menu item "Forced arming".

Factory settings:

1. Open the housing. Remove the batteries, and then press any button to discharge the remaining power.
2. Set switch 2 to ON, reinsert the batteries. The tag reader signals the reset (including the added tags) with an audio signal followed by two more signals. The Status LED starts flashing. Set switch 2 to OFF again and close the housing.
3. Delete the tag reader from the sensor list of the control unit.

Dual motion detector

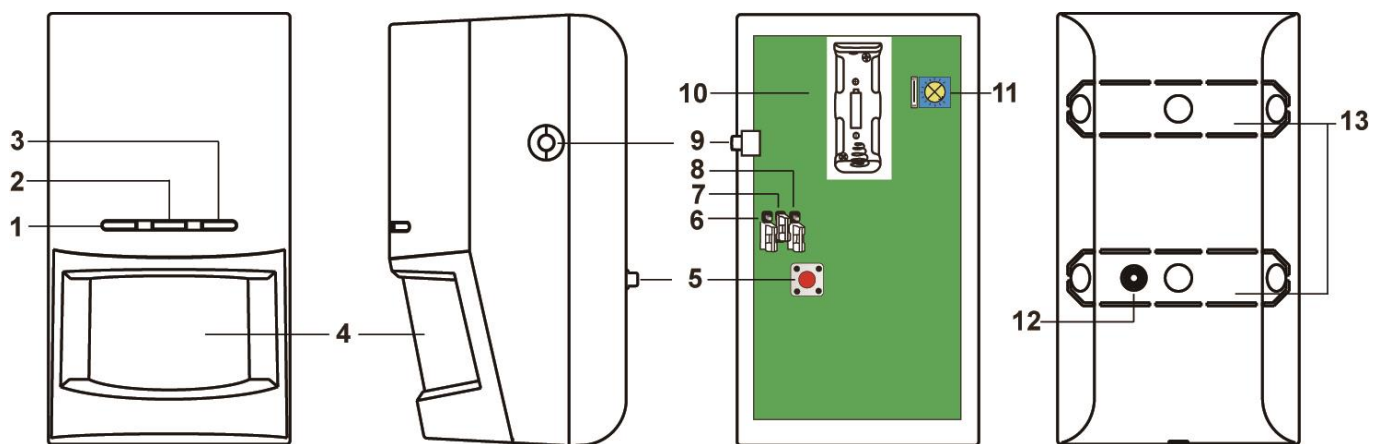
Product description:

The dual motion detector prevents false alarms caused by the double motion detection – PIR and microwave detection. The control unit triggers alarms only, if both methods detect a motion.

The PIR/microwave motion detector consists of a front a back. The mainboard to make various settings/adjustments is located on the front. You can mount the back either to flat surfaces or in corners by means of one of the two provided mounts. Open the sensor by pressing a tool (e.g. a screwdriver) into the plastic notch at the bottom.

Sensor data:

Dimensions (without mount)	6.33 x 11.25 x 6.2 cm
Weight:	141 grams
Operating location:	Exclusively indoors
Operating temperatures:	-10 °C to 45 °C
Humidity:	Maximum 95 % (without condensed water)
Microwave frequency:	10.525 GHz
Alarm system frequency:	868.6375 MHz



1. IR motion detection LED (green)

The LED lights up with every motion detected by the IR sensor in test mode.

2. Microwave detection LED (blue)

The LED lights up with every motion detected by the microwave sensor in test mode.

3. Transmitter LED (red)

Lights up upon signal transmission in test mode.

4. Sensor

5. Tamper contact

6. JP 1

Jumper 1 is reserved.

7. Activate/deactivate supervisor Jumper Switch (JP2)



Jumper On
The jumper bridges the two pins.



Jumper Off
The jumper is removed or is on one pin only.

The supervisor mode is deactivated with Jumper 2 set to **ON**.

The supervisor mode is activated with Jumper 2 set to **OFF (default setting)**.

8. Activate/deactivate microwave test Jumper Switch (JP3)

- The PIR/microwave sensor is in microwave test mode with Jumper 3 set to **ON** (see **Microwave test mode below**).
- The microwave test mode is deactivated with Jumper 3 set to **OFF (default setting)**.

9. Learn/Test button

Press this button to add the PIR/microwave sensor to the control unit or to start the three-minute test mode.

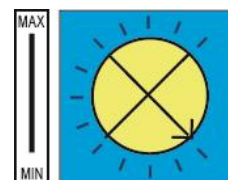
10. Battery compartment

A 3 V Lithium battery is required – model 1 CR123A.

11. Microwave range button

The arrow indicates the set range:

- Turn the arrow **clockwise** to increase the detection range (maximum 0-15 m)
- Turn the arrow **counter clockwise** to reduce the detection range (minimum 0-5 m)
- The default setting is **minimum**.



12. Tamper contact

The tamper contact is pressed against the bump on the back and thus closed.

13. Installation notch / break-joint

Standby mode

After each motion detection, the PIR/microwave sensor goes into the standby mode to save energy. Any other motion detection during this time resets the standby timer to one minute.

Supervisor function:

With Jumper 2 activated and the PIR/microwave sensor in normal mode, the supervisor signal is transmitted every 30 to 50 minutes. If the control unit does not receive the supervisor signal from the sensor, this causes the control unit to show an error message "Out of operation".

Tamper contact:

The tamper contact presses onto the mount on the back. With the PIR/microwave motion detector properly mounted, the tamper contact is closed in normal operation. As soon as the tamper contact opens, the sensor transmits the tamper alarm to the control unit and the Transmitter LED lights up.

Break joint

The PIR/microwave sensor has two break joints intended to break upon attempted tampering and to release the tamper alarm.

Motion detection:

- An alarm is transmitted only, if the PIR and the microwave sensor detect a motion.
- With the range button set to maximum, the detection range is about 15 metres, if the motion detector is installed at a height of 1.9 to 2.0 metres (vertical to the wall).
- With the range button set to minimum, the detection range is about 3 to 5 metres, if the motion detector is installed at a height of 1.9 to 2.0 metres (vertical to the wall).

Test mode:

You can set the PIR/microwave motion detector in the test mode by pressing the Learn/test button for a few seconds. The standby mode is disabled while the test mode runs. The respective LED will light up with every motion detected.

Microwave test mode:

To adjust the optimal sensitivity/range of the microwave sensor, you can start the test mode for the microwave detection only. For that purpose, set Jumper 3 (JP3) to ON. With the microwave test mode enabled, the microwave LED lights up for 0.5 seconds upon every motion detected. Any further detection extends the duration by 0.5 seconds.

Battery:

- The PIR/microwave motion detector requires a CR123A Lithium battery 3 V.
- With the Supervisor Jumper (JP2) set to OFF, the battery status is transmitted according to the control unit settings.

Note:

If it is required to change the battery, please note that tamper alarm may be triggered (depending on the control unit settings). Remove the empty battery. Press the Learn button twice to make sure that the remaining power is discharged. Then insert the new battery.

Put the PIR / microwave motion detector into operation

1. Open the detector and insert the provided battery.
2. The device starts. This process takes about 30 seconds. Wait until the LEDs stopped flashing and avoid triggering the detector during that time!
3. Open the configuration menu of the control unit and then the sub-menu Sensors → Add. Click on Start.
4. Press the Test/learn button of the detector once. The menu should list the PIR/microwave motion detector after a short while. Click on Add to complete the learn process.
5. Start the test mode of the control unit to check whether the motion detector at the intended location is within the range.
6. For that purpose, take the motion detector to the intended place of installation and press the Test button of the motion detector. The menu of the control unit indicates the signal strength. The higher the indicated number the better the reception (1-9).

Installation:

You can install the PIR/ microwave motion detector on flat surfaces as well as in corners:

- **Mounting to flat surface:**

To mount the detector to a flat surface, use the mount with the swivel ball head. Arrest the mount with the screw on top.

- **Mounting with corner mount:**

To mount the detector in a corner, use the provided corner mount.

Note:

- The LEDs (on the front) and the single mounting hook (on the back) must point upwards for the assembly.
- First, tighten the respective mount to the intended place of installation.
- Then place the PIR/microwave motion detector on the respective mount. The mounting hooks need to lock in place on the back of the motion detector.
- The horizontal angle of the PIR / microwave motion detector is 110°.
- To enable optimal motion detection, we recommend installing the PIR/microwave motion detector at a height of 1.9 to 2.0 metres with the back vertical to the wall.
- Do not install the motion detector within the detection range of other detectors (e.g. motion detectors with light).
- Do not expose the motion detector to direct sunlight.
- Do not install the motion detector close to heaters or air conditioning devices.
- Unless in test mode, the motion detector is able to detect a motion every three minutes only (irrespective of the control unit status).

Mini indoor siren

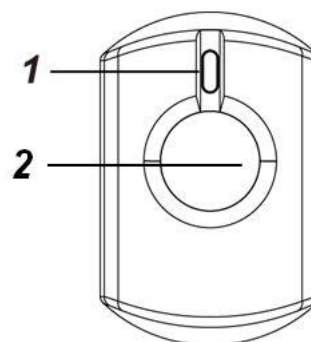
Product description:

The indoor siren can be used with every customary socket. It sounds an alarm signal at 95 dB in case of alarm. Furthermore, the indoor siren has an emergency power battery to provide the power supply for 12 hours.

1. Function/learn button / LED indicator

Function of learn button

1. Press once to send a supervision signal.
2. Keep the learn button pressed for 15 seconds to reset the siren at first, which then emits the learn signal.
3. Keep the button pressed for 3 seconds to switch between the two volume levels.



2. LED indicator:

1. Flashes once:
 - Alarm system is armed.
2. Flashes twice:
 - Alarm system is disarmed.
 - The siren was added successfully.
3. Flashes permanently:
 - An alarm was triggered.

2. Siren speaker

List of signals and what they mean:

	Audio signal	Volume
Alarm	Permanent	High
Arming	One beep	Optionally high/low
Disarming	Two beeps	Optionally high/low
Entry/exit delay	Beep every second	Optionally high/low

Put the mini indoor siren into operation

1. Plug the indoor siren into a socket at the intended place of installation.
2. Open the configuration menu of the control unit and then the sub-menu Sensors → Add. Click on Start.
3. Keep the learn button of the indoor siren pressed for 15 seconds.
4. The control unit should recognize the indoor siren and list it in the sensor list. If not, repeat step 3.
5. Click on „Add” to add the siren to the sensor list.

6. If you want to change the siren properties (name, area, zone), click on "Edit".

Note:

- If you want to assign the siren to both areas, activate the option "All areas". You can select this option later via "Sensor list" -> "Edit sensor".
- Open the menu Sensors -> Siren in the control unit and specify in the section "External siren control" the conditions, under which the siren is to be activated.
- If a delay is set in the control unit, the added mini indoor siren will always emit an exit delay signal and a confirmation signal.
- The mini indoor siren **not** compatible with the wireless repeater and cannot be saved in the backup configuration file.

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