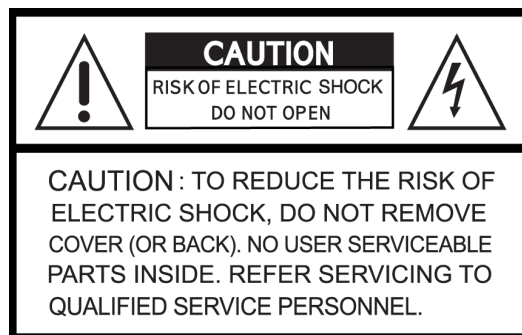_____

User Manual

Introduction

Thank you for purchasing the KATHREIN Digital Systems GmbH remote control. Please take the time to read the following safety and installation information carefully and attentively before using the remote control. It is imperative to comply with these instructions in order to ensure the safe operation of the device. If you have any further questions, please contact your local retailer or KATHREIN Digital Systems GmbH directly. Your remote control was developed and built with state-of-the-art technology and complies with European and German standards.

Please keep this manual safe 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 were compiled with the greatest care. However, KATHREIN Digital Systems GmbH cannot entirely exclude mistakes in this manual. Therefore, we do not assume any legal responsibility or liability resulting from wrong information in this manual. Descriptions, technical illustrations and technical data are subject to change without notice according to technical progress. In addition, KATHREIN Digital Systems GmbH reserves the right to change the product and the 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.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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 electric shock.

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

WARNING:

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

All KATHREIN Digital Systems GmbH 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 generates, uses and may emit radio energy. It may in addition interfere with other radio communication systems if 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.

Hereby KATHREIN Digital Systems GmbH declares that the remote control FFB 100 (order number 2220000003, EAN 4021121548802) is in conformity with the relevant provisions of Directive 1999/5/EG.

Conformity:

The declaration of conformity is available at http://www.kathrein-ds.com in the download section of the respective product. Alternatively, you can request the declaration of conformity directly from us:
KATHREIN Digital Systems GmbH
Anton-Kathrein-Str. 1–3
83022 Rosenheim, Germany

Important Safety Information

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!

The remote control FFB 100 is equipped with a high-quality housing. However, please observe the following safety instructions:

- Operate the remote control only with the provided batteries.
- Handle the remote control with care, heavy vibration or bumps may damage the device.
- Do not expose the remote control to direct sunlight or strong heat, e.g. heaters.
- Do not use the remote control close to strong electric power lines or magnetic fields, as this may impair the transmission quality significantly.
- Constructions made of iron or aluminium can influence the wireless transmission significantly.
- Do not use the remote control in moist, very cold or very hot environments.
- 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 electrical appliances at all times. The alarm remote control includes small parts they can swallow. Keep the remote control out of children's reach. Do not leave packaging materials unattended, as they may be dangerous for playing children.
- Use a damp cloth to clean the remote control's surface, then dry it. Cleaning agents will damage the surface.

Malfunctions and Defects

If you notice any kind of defect, remove the batteries from the remote control FFB 100 and contact your retailer or KATHREIN Digital Systems GmbH directly. Any further usage of the system may lead to fire or electric shock!

Intended Use

The KATHREIN Digital Systems GmbH remote control is designed to activate/deactivate the alarm panel. Use the remote control FFB 100 indoors only (there is no protection class for the remote control). Any other use than that described in this manual is not permitted and will void any warranty or guarantee as well as liability claims. The same applies if the device is modified or retrofitted.

Disposal

Do not dispose of the device with domestic waste!

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

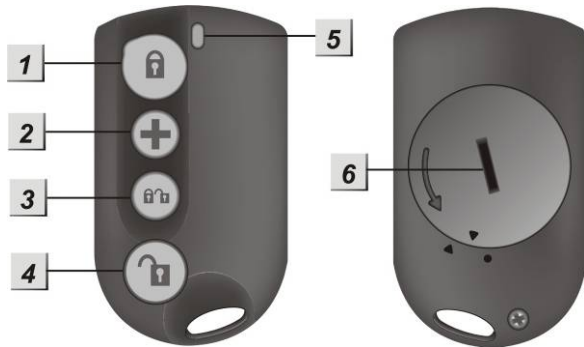**This product contains software programs subject to the GPL free software license.**

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 use of GPL and LGPL.

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

http://www.gnu.de/documents/gpl.de.html.

Remote Control FFB 100

Product description:

The remote control allows you to switch between the different modes of the alarm panel (arm, disarm, home), as well as to trigger a panic alarm.

1. **Arm button**
   By pressing this button for approx. three seconds, the alarm panel will be armed. This will be signalled by a long tone of the alarm panel. After you have pressed the button, the selected exit delay will begin and you can leave your home.

   If e.g. a window/door contact or a tampering contact is still open when you press the arm button, the alarm panel cannot switch to the arm mode – this is signalled by two short tones. By pressing the button again, you can force the alarm panel to ignore the open contact and arm anyway.

2. **(+) button**
   By pressing this button for more than three seconds, you will trigger a panic alarm. This alarm will be triggered irrespective of the mode of the alarm panel.

3. **Home button**
   This button features both the arm and disarm symbol. By pressing this button, you activate the home mode 1 of your alarm panel.

4. **Disarm button**
   By pressing this button, you disarm your alarm panel. If an alarm is currently active, the alarm as well as any sirens will be deactivated. It is **not** possible to deactivate a panic alarm by means of this button – this has to be done via the web interface.

5. **LED indicator**
   The LED will flash any time you press a button and attempt to transmit a signal to the alarm panel. In case of a panic alarm, the LED flashes five times and afterwards the panic alarm is transmitted.

6. **Battery compartment**
   The remote control runs on a 3 V/230 mAh CR2032 lithium battery. The average battery life is approx. two years. The remote control automatically transmits the current battery status to the alarm panel when any other action is transmitted.

Connecting the remote control and putting it into operation

1. Use a coin to open the battery compartment.
2. Install the battery with the negative pole facing down (the flat, positive pole faces up).
3. Close the battery compartment again.
4. Open the menu "Sensors" → "Add" and press "Start" in the web interface of the alarm panel.
5. Press any button of the remote control for approx. three seconds.
6. The alarm panel will confirm the successful addition with a brief signal tone and display the remote control in the menu "Sensors" → "Add." Click on "Add" next to the sensor to finish the connection process.
7. Check to activate/deactivate the different modes (arm, disarm, home) of the alarm panel.

Range test:
To test the signal strength at the desired installation location, perform a range test.

1. Open the alarm panel menu "Sensors" → "Range" and press "Start".
2. Press the Learn button of the remote control.
3. The sensor and the signal strength should be indicated. The higher the indicated number the better the reception (1 – 9).
4. Press Stop to end the test.

Please note:

If there is no signal at the installation location or the signal strength is below 4 or frequently falls below this level (signal fluctuations of 2 to 3 are normal), we recommend using a repeater to improve the signal.

Notes:

- You can add the remote control to area 1 or 2. The remote control can only control the area to which it was added.
- You can edit the settings of the remote control by assigning a pre-defined command to each button. Thus, you can also set the remote control to switch to home mode 2 or 3. A detailed description for the different automation rules can be found in the FAZ 100 manual.
- If you have triggered any kind of alarm via the remote control, it is **not** possible to deactivate this alarm with the remote control!

For your notes

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