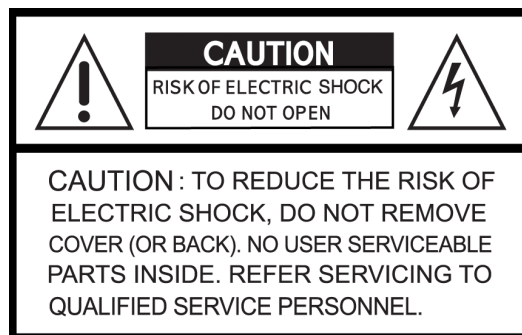# User Manual

Introduction

Thank you for purchasing the KATHREIN Digital Systems GmbH small indoor siren. Please take the time to read the following safety and installation information carefully and attentively before using the small indoor siren. 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 small indoor siren FIS 100 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.

<table>
<tr><td>⚠️</td><td>CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN</td><td>⚡</td></tr>
<tr><td colspan="3">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.</td></tr>
</table>

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 small indoor siren FIS 100 (order number 2220000020, EAN 4021121548598) 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 small indoor siren FIS 100 is equipped with a high-quality housing. However, please observe the following safety instructions:

- Do not open the housing of the FIS 100. Opening the housing is dangerous for you and others and will lead to immediate loss of warranty.
- Operate the small indoor siren only with the provided batteries.
- Handle the small indoor siren with care, heavy vibration or bumps may damage the device.
- Do not expose the small indoor siren to direct sunlight or strong heat, e.g. heaters.
- Do not install the small indoor siren 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 install the small indoor siren 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 small indoor siren includes small parts they can swallow. Lay cables expertly so that they are neither bent nor otherwise damaged. Install the small indoor siren 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 small indoor siren's surface, then dry it. Cleaning agents will damage the surface.

Malfunctions and Defects

If you notice any kind of defect, remove the small indoor siren FIS 100 from the power supply 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 small indoor siren is designed to alert you acoustically in case of alarm. Use the small indoor siren FIS 100 indoors only. 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.

Small Indoor Siren FIS 100

Product description:

The small indoor siren can be used with any standard socket. It sounds an alarm signal at 95 dB in case of alarm.

1. **Learn button / LED indicator**

   Function of the Learn button:

   - Press once to send a supervision signal (if siren is already added to the alarm panel).
   - Keep the Learn button pressed for 10 seconds to reset the siren and to send out a connection request.
   - Keep the button pressed for 3 seconds to switch between the two volume levels. The siren beeps loudly or lowly upon changing.

   Function of the LED indicator:

   - Flashes once:
     Alarm system is armed.
   - Flashes twice:
     Alarm system is disarmed and the siren was added successfully.
   - Flashes permanently:
     An alarm was triggered.

2. **Siren speaker**

   List of signals and what they mean:

Status	Audio signal	Volume
Alarm	Permanent	Optionally mute, low, medium, loud
Arm/Home mode	One beep	Optionally mute, low, medium, loud
Unscharfschaltung (Disarm)	Two beeps	Optionally mute, low, medium, loud
Entrance/exit delay	Continuous beep until the delay has expired	Optionally mute, low, medium, loud
Doorbell function	See alarm panel FAZ 100	Optionally mute, low, medium, loud

Connecting the small indoor siren and putting it into operation

1. Plug the indoor siren into a socket at the desired location.
2. The small indoor siren can only be added to the alarm panel within the first 3 minutes after connection to the mains!
3. Open the web interface of the alarm panel, go to the menu "Sensors" → "Add" and press "Start".
4. Keep the Learn button (1) of the indoor siren pressed for approx. ten seconds. The LED lights up briefly. Release the Learn button. A connection request is sent to the alarm panel and the LED flashes twice.
5. The alarm panel should recognize the small indoor siren and list it in the sensor list.
6. Press "Add" to add the siren to the sensor list.
7. Press "Stop" to finish the learning mode.

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 small indoor siren.
3. The sensor and the signal strength should be indicated. The higher the indicated number the better the reception (1 – 9).
4. Click "Stop" to end the test.

Emergency battery

ATTENTION
Never open the device. You run the risk of suffering a life threatening electrical shock!

- The small indoor siren has an emergency battery which operates the FIS 100 for up to twelve hours in case of power failure. It takes a few hours to charge the emergency battery.
- If you want to add the small indoor siren to your alarm panel (e.g. after you have deleted the siren from the sensor list), you need to wait until the battery is empty, since the connection request can only be sent out during the first three minutes after the power supply is established.

Additional settings

For further settings, go to the menu "Sensors" → "List" → "Edit".

Sensor editieren	
Mini Innensirene / Statusanzeige	
ID:	ZS:d0be01 / ZM:00124b0008b55ce3
Version:	SRAC_00.00.03.02TC
Name:	Mini Innensirene
Area	1
Zone:	13
Alle Areas:	☐ (Die korrekte Vorgehensweise ist in der Anleitung beschrieben.)
Alarmton:	An
Bestätigungston - Arm:	An
Bestätigungston - Home:	Stumm
Bestätigungston - Disarm:	An
Ausgangsverzögerungston - Arm:	An
Ausgangsverzögerungston - Home:	Stumm
Eingangsverzögerungston - Arm:	An
Eingangsverzögerungston - Home:	An
	OK Default Reset oder Zurück

- The option "all areas" allows you to connect the small indoor siren to both areas. Check the box "all areas" and press "OK".
- For every kind of beep of the small indoor siren you can choose the volume between mute, low, medium and loud
- In the menu "Sensors" → "Sirens" you can select which alarms shall be sounded by the "Setting: External siren(s)."

Note:
- Changes in the menu "Sensors" → "Devices" are not intended for the FIS 100 and have no effect on it.
- There is no effect on the small indoor siren
- The small indoor siren is not compatible with the wireless repeater and cannot be saved in the backup file.