ABUS

Security Tech Germany

AZAA10000

User manual

Terxon SX alarm panel
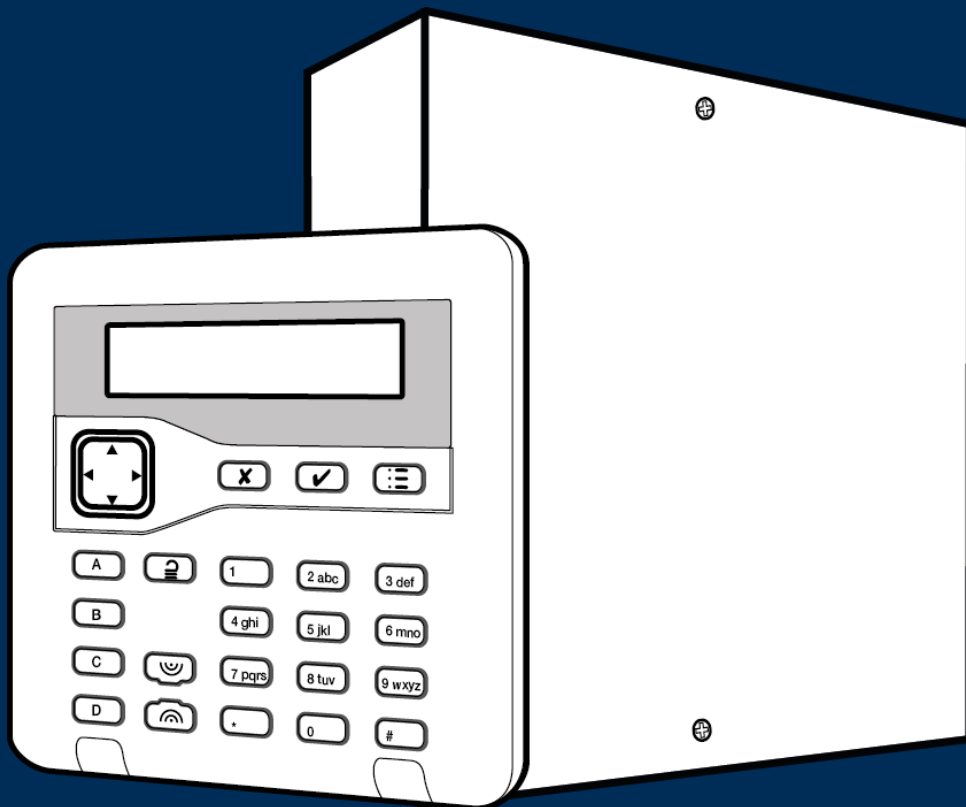
Contents

1   General information

1.1   Introduction

Thank you for the **Terxon SX security system**, a product from ABUS Security Centre (also known as "ABUS" for short).

This manual contains essential descriptions of how to operate the **Terxon SX security system.**
Further information on project planning and commissioning can be found in the Installation Guide.

1.2   Intended use / Legal information

The responsibility for the legally compliant use of the product lies with the purchaser or customer and the end user. In accordance with the manufacturer's liability for its products as defined in the Product Liability Act, the above information must be observed and passed on to the operators and users. Non-compliance releases ABUS Security Center from legal liability.

Non-conforming or unusual use, repair work or modifications not expressly authorised by ABUS and improper servicing can lead to malfunctions and must be avoided. Any modifications not expressly authorised by ABUS will result in the loss of liability, warranty and separately agreed guarantee claims.

Architects, technical building planners (TGA) and other consulting institutions are required to obtain all necessary product information from ABUS in order to fulfil the information and instruction obligations in accordance with the Product Liability Act. Specialist dealers and installers are required to observe the information in the ABUS documentation and to pass it on to their customers if necessary.

Further information can be found at www.abus.com on the general page or for dealers and installers in the partner portal at https://partner-asc.abus.com/

1.3   Customer Service / Customer Support

For further assistance, please contact our support team: support@abus-sc.com

1.4   Imprint

1st edition German 04/2025

With the publication of a newer version, this edition loses its validity.

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All trademarks and industrial property rights are recognised, changes in the sense of technical progress can be made without prior notice.

1.5   Explanation of symbols

The following symbols are used in these installation instructions:

Symbol	Signal word	Meaning
	Caution	Indicates a risk of injury or health hazard due to due to electrical voltage
	Important	Indicates possible damage to the device/accessories or indicates a risk of injury or health hazard
	Hint	Indicates important information

1.6   Declaration of Conformity

ABUS Security Center hereby declares that the enclosed product fulfils the requirements of the following guidelines:
- EMC Directive (2014/30/EU)
- RoHS Directive (2011/65/EU)

The full text of the EU Declaration of Conformity can be found at the following address:
ABUS Security Centre GmbH & Co KG
Linker Kreuthweg 5
86444 Affing, Germany

1.7   Handling the login data

- The user names and codes for logging into security systems may only be known to the rightful owners and may never be passed on to unauthorised persons.
- If you need to pass on this information by e-mail, please ensure that you send the user name and the code in two separate e-mails.
- User names and codes must be changed regularly.
-

1.8   Important safety information

	Power supply **Attention:** All electrical connections must be carried out by a qualified electrician and comply with the applicable local regulations

	Children **Important:** Keep electrical appliances out of the reach of children. Leave Never allow children to use electrical appliances unsupervised. Children can recognise possible dangers may not always recognise them correctly. Small parts can be fatal if swallowed become. There is a risk of suffocation. This appliance is not suitable for children. With Improper use can cause parts under spring tension to fall out and children to be injured. (e.g. to the eyes).

	Waste disposal
	The EU Directive 2012/19/EU regulates the proper return, reprocessing and disposal of Recycling of old electronic devices. This symbol means that the appliance will be environmental protection at the end of its service life in accordance with the applicable local legal requirements. must be disposed of separately from household or industrial waste. Used devices can be disposed of at the official recycling centres in your country. Please note when Dispose of the materials in accordance with local regulations. Further information on the return (also for non-EU countries) can be obtained from your local authority. Separate collection and recycling conserve natural resources and ensure that all waste is recycled when the product is recycled. regulations for the protection of health and the environment are complied with.

Cleaning

Only clean the housing of the device with a damp cloth. Do not use any solvents,
White spirit, thinner and no other corrosive substances. Wipe the surface carefully.
dry with a cotton cloth.

1.9   Information on the Terxon SX alarm panel

The Terxon SX has the following features:

- Integrated connections for up to 10 wired detector zones, a wired siren/strobe unit, an external loudspeaker and an open collector output.
- An RS485 bus for connecting up to four control units.
- One connection for up to 8 plug-by outputs.
- Support for one subdivision and up to three subdivisions.
- Metal housing, equipped with a 1A power supply unit and space for a 12Vdc 7Ah buffer battery.
- Tamper switch on the back and on the lid.
- Support for up to 10 users.

	Note:
⚠	The maximum number of integrated detector zones applies to a fully supervised loop (FSL) or 2-wire CC cabling (closed circuit). If 4-wire CC cabling is used, the maximum number of integrated detector zones is halved.

2   Operational characteristics

This section provides an overview of the other operating functions of the Secoris alarm systems from the user's perspective.

2.1   Extensive flexibility for sett/un-sett

Numerous configuration options are available during installation to customise sett/de-sett to your specific requirements. These are described in detail in the installation instructions.

The Terxon SX can be armed or disarmed as an entire system or in areas Internally armed B/C/D.

2.2   Alarm communication

If the system detects an alarm, it switches on the external signalling devices/flash units and controls the internal signalling devices, including the signalling devices in the control panels.

The Terxon SX has a plug-by connection with 8 outputs via which the system can communicate externally with an emergency call service control centre using a digital communicator (available separately).

3   User options

Authorised users can access a "User" menu via a control panel. The menu contains
Options for adding users, for hiding detector groups, for displaying
event memory information, for testing the system, for configuring the system and for logging in and out.
Switch off components (outputs).

3.1   Users and user types

The "Users" menu gives you the option of defining many different users, each of whom has a
can have a unique access code.
Each user has a type, such as normal user, administrator or master user. The user type
determines the authorisations that the user has in the system.

3.2   HUA / Panic alarms

You can set a panic alarm (ÜA), also known as a panic alarm, via a control panel,
a remote control, an ÜA hand-held transmitter or via a separate panic button.

3.3   Complete event log

The control unit reports all actions, alarms and warnings. You can view the logged events
via the "Logbook" menu.

3.4   Test options

The "Test" menu contains a comprehensive range of options with which you can test the system or
identify the owner of a device, e.g. a remote control.

4   Using the system

This section describes typical tasks that you may have to perform from time to time.
have to execute

4.1   Buttons on the control panel

Figure 1 shows the arrangement of the buttons on a typical control panel. The purpose of the individual buttons (with the exception of the remote control buttons) is described below.
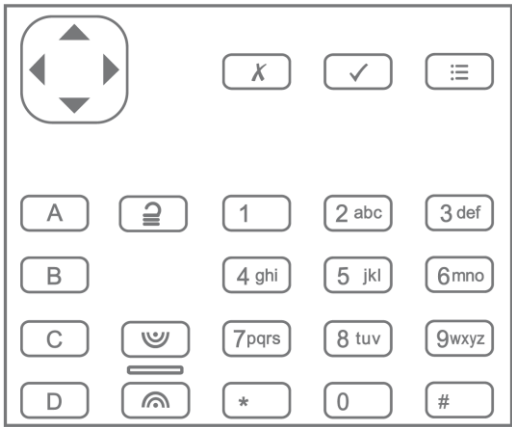
Typical buttons on the control panel

 Navigation button:

▲ Scroll up or move the cursor to the left.

▼ Scroll down or move the cursor to the right.

▶ Change a value, display further information or insert a space.

◀ Change a value or delete the character to the left of the cursor.

The button lights up red, yellow or green to indicate the system status (green = normal; yellow = problems). when setting a sub-range; red = alarm/fault).

$\cancel{\ }$ Use this button to exit an option or cancel a change.

✓   This is used to confirm an action, e.g. selecting an option or confirming of an alarm.

☰   Pressing this button gives you access to the "User" menu when the standby screen is displayed (see page 13).

A   Schärft section 1* complete.

B   C   D   to sett the internal areas B; C; D (if configured)

⬜   Defuse the system.

    A hold-up alarm (ÜA) is triggered when these two buttons are pressed (if activated during installation).

> ⚠ **Note:**
> A control panel can be programmed so that it belongs to certain sub-areas.
> When the master user enters their code on a control panel, it inherits all sub-areas of the system. In this way, setting errors are displayed for all sub-areas. The sub-area type User/
> Code can be used to set the control panel displays to the colours assigned to the control panel.
> to limit sub-areas.

4.2 Information on the standby screen

If the system is in standby mode (armed or disarmed), the display shows the "Standby" symbol.
screen". For example:

> **Terxon SX AZAA10000**
> **11:00 26/03/2025**

4.3 Sett the system

Establishing system readiness so that an alarm is triggered when someone enters a
protected area is referred to as "sett" the system.
Depending on the system configuration, you can sett your system using various methods. In the following
A typical procedure is explained, which is carried out with the aid of a control unit

Enter your access code using the control panel. When you enter your access code
a * appears on the display for each character entered

> **Enter Access code**
> **(****)**

When sett options are displayed, you can press the▲ or▲ button followed by ✓
Press to select the desired option

> **Options**
>   **all sett**

Full sett/all sett? For sett the alarm panel. Alternatively, you can also press the
Press A.

Internally sett B; C; D: Sett a partial area. Alternatively, you can also press the B, C
or D to completely set a partial area.

The Terxon SX may be configured in such a way that you can select the quick setting with A, B,
C or D without entering an access code.

Depending on the system configuration, the system is armed if one of the following situations occurs:
- Immediately
- After a certain time
- When you leave the premises

The A, B, C or D button lights up to indicate the set status (unless it was changed during installation).
deactivated). For example, button A lights up by default when the system is fully armed

4.4 Defuse the system

Deactivating the system so that people can move freely is called "disarming".

To disarm the system from a control panel:
1. Enter the building via the designated access route. Do not deviate from this route
   Because you could trigger an alarm.
2. If you hear a sound, go straight to the control panel as you only have a short time to
   system before it triggers an alarm.
3. Enter your access code and press the button   [🔒]

4.5   Managing alarms

In the event of an alarm, you must mute the sirens and signalling devices (if they are still running), switch off the
Determine the cause of the alarm and reset the system

This allows you to mute, acknowledge and reset an alarm:

1.   Make sure that you can enter the premises safely.
2.   Enter your access code in the usual way. This will mute the alarm
     (if the sirens and sounders are still in operation).
3.   The navigation button lights up red and the display shows the following, for example

> **Reset required**
>   **Z01**

Press ✓   - this confirms the alarm and resets the system.
The system returns to standby mode and can be armed again. The
Navigation button is displayed normally (green) again
Even if the system is not reset, you can continue to sett it as normal and
un-sett. The navigation button and the corresponding symbols for sett/de-sett
remain red until the alarm is reset.

⚠	**Note:** Unintentional alarms Your system may be configured so that if you accidentally trigger an alarm, you have a "cancellation time" (120 seconds by default) to cancel the alarm. Go immediately to a control panel and enter your access code.

4.6   Management of warning messages

A warning is an event that is not directly related to an intrusion event. It can be
This could be due to a low battery or a communication error, for example.

A warning does not trigger an alarm tone. Instead, the navigation button on the control units lights up red,
if the system is not armed and the control units emit a short signal tone approximately every second
off if the warning has not been acknowledged.

This allows you to display the cause of the warning:
1.   Make sure that the system is not armed and that the control panel is in standby mode.
     screen is displayed.
2.   Before you enter your access code, you must press ✓.
3.   Enter your access code in the control panel. The bottom line shows the last
     message is displayed. For example:

> **Further**
>   **Battery 1 empty**

4.   Press ✓   to confirm that you have read the message. Repeat this
     Step for all other warnings that may be active

4.7 Accessing the "User" menu

The "User" menu allows access to user options, such as hiding detector zones, the display of event log information and the addition of new users. The range of options, available to you depends on your user type (your authorisations).

1. Make sure that the standby screen is shown on the display.

2. Press the   [≡]

3. Enter your user code

The first option is displayed
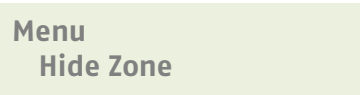
> **Menu**
>   **Hide Zone**

Press▲ or▼ to scroll through the options and then press ✓   to select the options.
Select the desired option

To close the menu and return to the standby screen, press (if   ✗
several times if necessary).

4.8 Manage users

Users are persons who can enter an access code into a control panel to perform an action.
e.g. arming or disarming the system, triggering a threat alarm or
Access to the user options
With a new system, there is only one user: the default master user, who is not
only has full access to all actions that a user can perform, but also to all
user options. The master user can add new users and change the type of user.
user. This determines which actions the user can perform.

4.8.1 Master user

As a master user or administrator, you can use the "User" option in the main menu to:
- new users, including those assigned to individual users ("Users" - "Add user").
- Edit user details ("User" - "Edit user").
- Delete user ("User" - "Delete user").

⚠	**Note:** If you are not a master user or administrator, the "Users" menu does not contain the "Add user", "Edit user" and "Delete user" options. Instead, depending on the user type, it may contain options from the "Edit user" menu that you to change your own details, e.g. your access code. For some user types, the "User" menu is not available at all.

4.8.2   Adding users

As a master user or administrator, you can add new users via "Users -> Add user". new users
Add user. When you add a new user, you can specify the name of the user, the type and the access code. Each user
must have their own access code.

How to add a new user:

Open the "Users" - "Add user" menu.
1.   The next available default user name is displayed. If you wish, you can
2.   to change this default user name (maximum 12 characters). Press ✓   to continue.
3.   The default user type is displayed (normal user).
4.   Press▲ or▼ to select the user type. Press ✓   to continue.
5.   When prompted, enter an access code or press ✓.
6.   Confirm the code by entering it a second time.

4.8.3   Edit user

To edit the details of another user (e.g. the name or type), you must log in to the
Log in as master user or administrator and select the option "Edit user" in the "User" menu.
select. "Edit user" is only available if you are logged in as a master user or administrator.
have registered.

As a master user or administrator, you can enter your own user data (e.g. your user code)
edit your user name in the "User" - "Edit user" menu. select your user name.

However, if you are not a master user or administrator, the menu "Users" - "User
edit" not available, but the "User" menu can (depending on the user type) provide options for changing your
own user details.

How to edit user details:

1.   Select user.

2.   As a master user or administrator, select the "Edit user" option and press
     ▲ or▼ followed by ✓   to select the user you want to edit. Enter the
     user number (e.g. 002) and press ✓.

3.   Press▲ or▼ followed by ✓   to select the desired option:

Name
     Change the user name.

Type
     Change the user type. See (Appendix A, page 39) for a description of the individual user types.
     User types.

Code
     Change your own access code.

4.8.4   Delete user

Master users or the administrator can delete users.
After you have deleted a user, the system no longer responds to their access code.

1.   Select "User" - "Delete user"

2.   Press▲ or▼ followed by ✓   to select the user you want to delete.

     Enter the user number (e.g. 004) and press ✓.

3.   Press ✓   to delete the user (or X if you want to cancel).

4.9   Omit Zones

You can omit a detector zone before arming the system. By omission.
Detector zones are prevented from generating an alarm when the detector zone is triggered,
while the system is armed. For example, you can omit a detector zone to protect a garage to allow access without
triggering the alarm, even if the system is armed.

> **Note:**
> The detector zone returns to normal operation when the system is disarmed.
> You can only omit the detector zones that were configured for this during installation.

To omit detector zones:

Open the "User" menu as described in the previous section.

1. Select the "Omit Z" option. The first detector group you have selected is now displayed.
    can be hidden.

2. A "**G**" is displayed at the end of the line if the detector group is hidden. A "**Ù**" is displayed
    if the detector if the zone is taken into account.

3. Press▲ or▼ to display the detector group that you want to omit and
    then press ► to mark them for hiding. Press ► again if you want to
    have made a mistake and want to include the detector group again.

4. Repeat this step for all other detector zones that you want to omit (or restore).

5. Press ✓   to save the changes.

4.10   Displaying the logbook

1. Select the "User" - "Logbook" menu. The most recent event is shown on the display

2. If necessary, press ► to display a more detailed description of the event, e.g.
    the user's name (instead of the user number) associated with the event.

3. Press▲ to display older events or▼ to display more recent events.

4. Press **X** to exit the event log display

4.11   Testing the system

A master user or administrator can use the "Test" option to test various components of the
systems

4.11.1 Testing sirens and Sounders devices

1. Select "Test " - "Sirens & SG".

2. Press▲ or▼ followed by ✓   to select the devices to be tested:

    Wire sirens
        Wired sirens and their flashing lights.

    Loudspeaker
        Additional loudspeakers, control units and other internal signalling devices.

    Wired BT
        Signalling device in wired operating units

3. Press▲ or▼ to select whether all sirens of the selected type that are assigned to a
    are assigned to certain sub-areas are to be controlled. Press ► to switch the
    switch on the sirens and press ► again to switch them off.

4. Press **X** to end the test.

4.11.2 Testing wired Key pads

1. Select "Test" - "Wired KP".

   The name of the control panel and the bus address are shown in the bottom line of the display.
   The LEDs of the four A/B/C/D buttons and the navigation buttons should light up red.

2. Press▲ ,▼ , ▶and ◀ in succession to test the navigation buttons. When you press one of the buttons, the colour of its LEDs should change and the button pressed should be shown on the display.

3. Press both ÜA buttons simultaneously. The display must confirm that you have pressed the ÜA buttons. An OD alarm is not triggered.

4. Press X to end the test.

4.11.3 Carrying out a walk test

Master users and administrators can use "Test" - "Go Test" to test detectors without
trigger an alarm. Walking past motion detectors should be enough to trigger them.
If you have detectors that are connected to doors or windows, you must open them in order to
trigger the detectors.
If the detector works during the test, the control unit emits a confirmation tone and
indicates that the detector has passed the test.

1. Select "Test - Go test".
   The following is now displayed: Chime once

2. Press◀ or▶ to select one of the following options:

   Causes a single chime for each detector group that is triggered during the walk test.
   Off   Switches the ringing off.
   On   Generates a signal tone each time a detector zone is triggered.

3. Press▲ or▼ followed by ✓   to select the test method:

   System
   This option allows you to take a tour of the entire system and view all
   Test detector zones.

   Detector groups
   This option allows you to select one or more individual detector zones
   and only test these detector groups.

4. Press ✓   to start the test.

5. Carry out the walk-through and trigger each detector in turn. When you hear the gong
   activated and trigger a detector, a double tone sounds.
        You can see which detector groups still need to be tested. To do this, press ▲
        or▼ to scroll through the detector zones: for each tested detector zone, the following is displayed at the
           end
        A is displayed in the bottom line.

6. If you wish, you can press the X button to end the test prematurely.

7. As soon as all detector zones have been tested, for example, is displayed: All MG tested MG 10 A

4.11.4 Testing the outputs

Master users and administrators can use the "Test" - "Outputs" command to test outputs.
which the installer has configured as "user-defined". The outputs can be used to control
external devices, such as lighting or locking systems.

1. Select "Test" - "Outputs".
    The available outputs are shown on the display.

2. Press▲ or▼ to select the output.

3. Press ▶ to switch the output on and ▶ again to switch it off. Check whether the output functions as expected.
    For outputs that are controlled via radio, it may take a few seconds for the status to change.

4. Press ✓ to end the test.

4.12 Configuration of the system

You can use the "Configuration" menu to customise some parts of the system to your specific needs.

Functions -> Gong
        Use this option to activate or deactivate the chime tones that are emitted when the
        Entering a detector zone for which a "Gong" property is configured is triggered.
        is. With most types of detector zones, a signal tone only sounds the system is disarmed.
Date & time
        Enter the current date and original time for your Terxon SX system.
        Confirm your entry with ✓   and end the entry with the **X** button.

4.13 Information about the system
As a master user or administrator, you can use the "Info" option to view information about
the system you are using. The "Info" menu includes the following options:

Centre
  The model of the control unit.
  Version number of the software (firmware).
  The country

Installer
The installer data such as name, telephone number, e-mail address, contract number can be stored here.

5   APPENDIX A - USER TYPES

Normal user	A normal user can arm and disarm the system, but only has access to a limited number of user options and may be restricted to one or more sub-areas. A normal user can, for example, omit detector zones, change their own access code, display the event log and control outputs, but cannot add or delete users.
Master user	Such a user can perform all user actions. A master user can, for example, arm or disarm the system and access all options in the "User" menu. They also have the option of adding or removing other users. A master user can edit the name of any user and also customise the user type and the sub-areas (if applicable) for all users other than the master users. There is always (at least) one master user (user 01) that cannot be deleted by any user.
Guard user	Security users can only disarm and re-arm the system in alarm status. Security users do not have access to the "User" menu.
Easy Set	Sub-area users are similar to normal users, but are subject to the additional restriction that they must arm or disarm the sub-areas assigned to them via operating elements that are also assigned to these sub-areas
Sett only user	This user type can sett the system, but not un sett it. A general user with the ability to arm the system does not have access to the Arm. Only "User" menu.
Sett/un-sett	This user type can arm or disarm the system. A user who can arm/disarm does not have access to the "User" menu.

For further assistance, please contact our support team: support@abus-sc.com
If you have any further questions, please contact our support team: support@abus-sc.com