



Axon x700 Control Panel User Manual

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Version	<p>This document applies to the following Axon x700 firmware version: MR 2.0</p>
Certification	<p></p> <p>EN 50131-1:2006+A1:2009+A2:2017+A3:2020; EN 50131-3:2009; EN 50131-6:2017+A1:2021; EN 50131-10:2013 Grade 3, Class II EN 50136-2:2013 Pass through</p> <ul style="list-style-type: none"> - SP4: IP with Ultrasync - SP5: IP with OH receiver, GPRS with OH or Ultrasync receiver - DP3: IP and GPRS with Ultrasync receiver - DP4: IP and GPRS with OH receiver <p>Tested and certified by KIWA Nederland B.V.</p> <p>This product has not been designed to comply with EN 50134 and EN 54 norms.</p>
European Union directives	<p>Carrier Fire & Security hereby declares that this device is in compliance with the applicable requirements and provisions of the Directive 2014/30/EU and/or 2014/35/EU. For more information see firesecurityproducts.com or www.aritech.com.</p>
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Important information

This document includes an overview of the product and detailed instructions explaining how to use the Axon x700 system. Axon x700 To use this documentation effectively, you should have a basic knowledge of alarm systems.

Read these instructions and all ancillary documentation entirely before operating this product.

Typographical conventions

This manual uses certain notational and typographical conventions to make it easier for you to identify important information.

Table 1: Notational and typographical conventions

Item	Description
Keys	Capitalized, for example “press Enter”.
Note	Notes alert you to information that can save you time and effort.
Caution	Cautions identify conditions or practices that may result in damage to the equipment or other property.
<input type="checkbox"/>	Check boxes let you indicate whether a particular option is available or not. The manager can provide details on the available options.

Important note

This manual provides information for all Axon x700 control panels in all variations. “Axon x700 control panel” refers to any variant of the Axon x700 control panels, unless specifically stated otherwise.

List of panel variants

- ATS1700, ATS3700: Medium metal enclosure MM+

Note: Not all variants may be available.

Keypads and readers

Figure 1: ATS111xA keypad

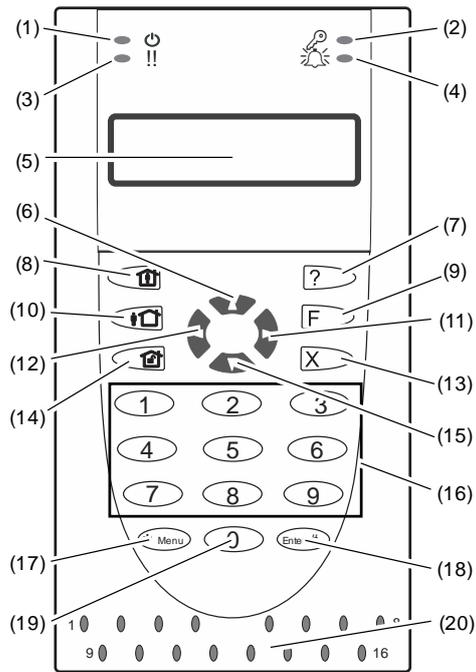


Figure 2: ATS1125 keypad

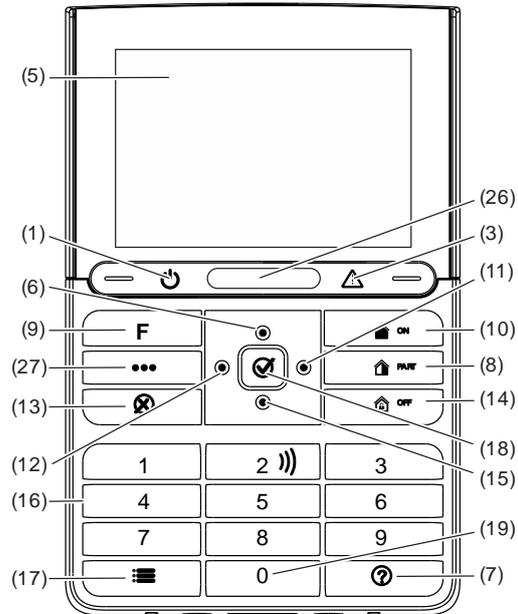
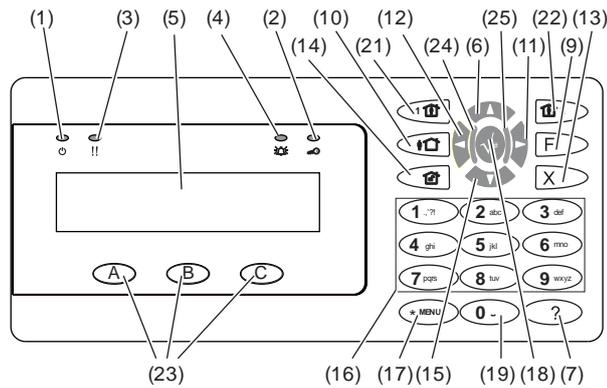


Figure 3: ATS113x keypad



(1)	AC mains LED	Green on: AC mains supply on
(2)	Access LED	Blue flashes: card read
(3)	Fault LED	Yellow on: system fault active Yellow flashing: general alert (EN 50131)
(4)	Alarm LED	Red on: alarm condition active
(5)	LCD display	Displays messages
(6)	▲ / Up	Scroll up in the menus Change value Delete
(7)	? / Help	Show help Scroll text (ATS113x only)

(8)	Partset	Part set an area Scroll text (ATS111x only)
(9)	F / Function	Show active zones / faults Function key modifier Scroll text (ATS113x only)
(10)	On	Full set an area
(11)	▶ / Right	Enter the selected menu Move cursor right
(12)	◀ / Left	Return to the previous menu Move cursor left
(13)	X / Clear	Exit the current user function Volume control modifier
(14)	Off	Unset an area
(15)	▼ / Down	Scroll down in the menus Change value Backspace
(16)	Alphanumeric keys	Keys 1 to 9, alphanumeric data
(17)	Menu, *	Request entry to the menus
(18)	Enter, #	Complete the step Enter the selected menu entry
(19)	0	Key 0 Toggle selection
(20)	Area LEDs 1 to 16	On: area set. See also "Access control indication note" on page 4. Off: area unset. Flashing: area alarm condition.
(21)	Partset 1	Part set 1 of areas
(22)	Partset 2	Part set 2 of areas
(23)	A, B, C	Programmable function keys
(24)	LED1	Programmable LED 1
(25)	LED2	Programmable LED 2
(26)	Status LED bar	Red On: Areas set Red flashing: Alarm condition active Orange On: Part set Orange flashing: System fault active / General alert (EN 50131) Green On: System is ready to set Green flashing: Entry / exit time active Blue flash: Valid card presented / Access granted Off: Not ready to set / Armed display active
(27)	Action key	For future use

Figure 4: ATS118x readers

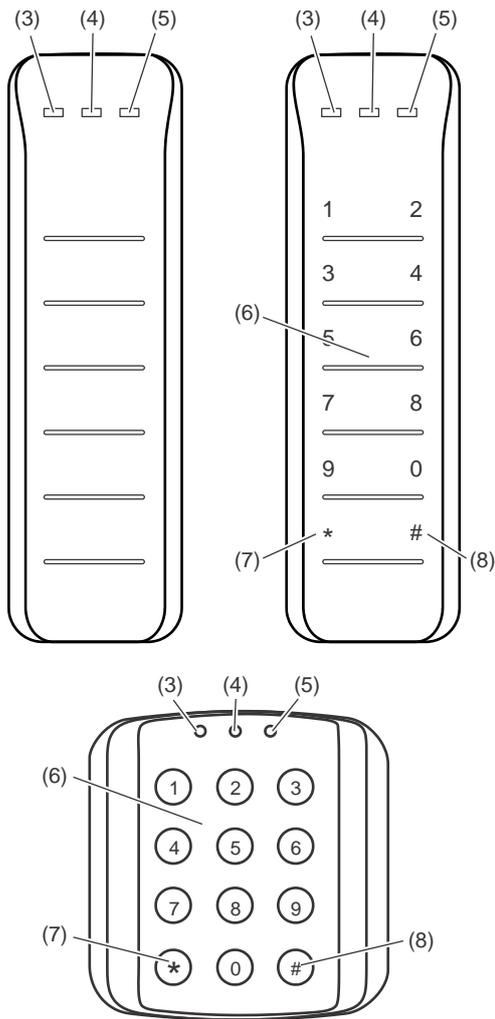


Figure 5: ATS1190/ATS1192 readers

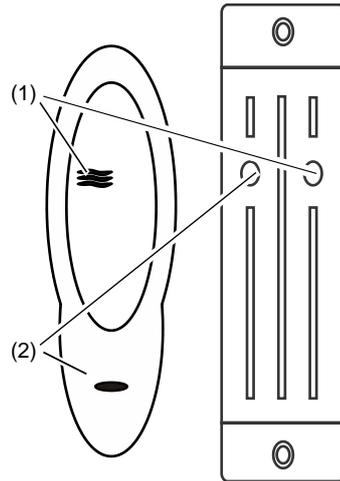


Figure 6: ATS1197 reader with keypad

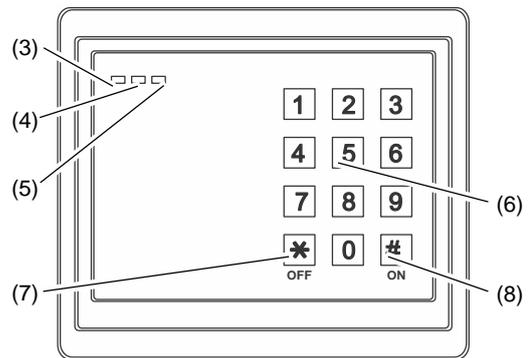
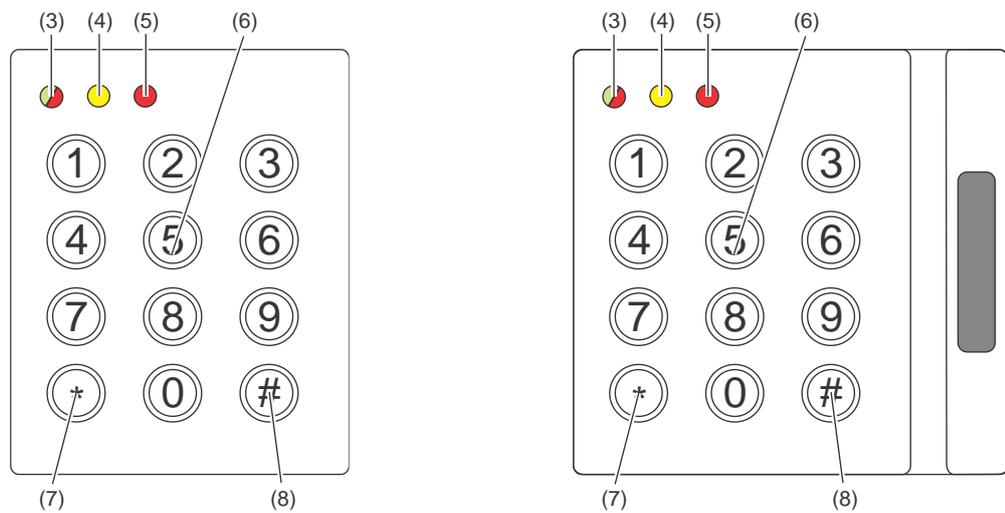


Figure 7: ATS1151/ATS1156 readers



(1)	Blue LED	Access granted
(2)	Red LED	On: area set Flashing: general alert (EN 50131)
(3)	Dual LED	Green on: AC mains supply on, all areas unset Green flashing: AC mains supply off, or unlocked while unset. Red on: all areas set. See also "Access control indication note" below. Red flashing: unlocked while set.
(4)	Yellow LED	On: all zones are in normal state / system fault Note: This functionality depends on system settings. Flashing: general alert (EN 50131) ATS125x: always on CDC4: system fault
(5)	Red LED	Flashing: alarm
(6)	Numeric keys	Keys 0 to 9, numerical data
(7)	Off	Unset an area
(8)	On	Full set an area

Access control indication note

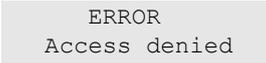
Access control keypads and readers, which are connected to door controllers instead of the control panel, indicate areas in a different way:

- Dual LED is lit red when *any* associated area is set.
- Area 1 LED is on when *any* associated area is set. Area LEDs 2 to 16 are not used.

Using your PIN and/or card to access the system

You need a PIN and/or a card to use the Axon x700 system. A PIN is a unique number having between 4 and 10 digits.

The manager of the security system has set up your user account with a PIN and/or card details. In addition, options have been assigned that allow you to perform specific tasks, such as set or unset the system. You can only access menu options that have been enabled for your user account. When you try to access an option that you are not authorised to access, you get the following error message:

A rectangular box with a light gray background containing the text "ERROR" and "Access denied" in a monospaced font.

ERROR
Access denied

If you access the menu and do not press any key for three minutes, the system time out function automatically exits from the menu. It is good practice to exit the menu using the Clear button rather than using this time out facility. If someone else uses the menu before it times out, the option used is logged against your user account.

Duress

The duress function activates a silent signal to alert security personnel. If you are asked, under threat, to breach your system security (for example, forced to unset the system), this function lets you do so while at the same time activating the system duress facility. However, your Axon x700 system must be programmed to use this function.

You use a duress digit in conjunction with your PIN. There are three methods for entering a duress code.

Table 2: Duress methods

Option	Description	Example	Available
Increment last digit	The duress code is your PIN with the last digit of your PIN incremented by one (1)	Example: PIN = 1234, duress code = 1235. If the last digit of your PIN is 9, then the duress digit becomes 0. Example: PIN = 2349, duress code = 2340.	<input type="checkbox"/>
Add last digit	The duress code is a code with an additional digit "5" at the end	Example: PIN = 1234, duress code = 12345	<input type="checkbox"/>
Add first digit	The duress code is a code with an additional digit "5" on the beginning	Example: PIN = 1234, duress code = 51234	<input type="checkbox"/>

Caution: Systems with door controllers only allow the option Increment last digit. If a system with door controllers has duress functionality enabled, it is also required for all user groups in this system to have the Duress code option allowed. See *Axon x700 Control Panel Installation and Programming Manual*, "User groups", for more information.

To activate duress, provide an allowed key sequence indicated in "Common key sequences" on page 32.

To reset the duress alarm, enter a valid PIN or card with PIN.

Notes

- If duress was activated under conditions that are no longer valid (a false alarm), and it has been reset, you must contact your central station company to ensure that they take no further action.
- Using your PIN with the duress digit still activates the options configured for your user group.

Door access

If programmed, it is possible to get access through a particular door using the keypad or the reader assigned to the door.

Provide an allowed key sequence indicated in “Common key sequences” on page 32.

Set and unset the system

When to set

The security system should be set if you are the last person to leave the premises (or your area), for example at the end of the day. When set, any security device detecting intruders activates an alarm.

When to part set

In case you are still on the premises (or in your area) it is possible to perform a part set of it. For example, you can secure your garage using part set while you remain in the house. Notification to the central station may happen depending on system configuration settings. Contact your installer for more information.

You can use part set for perimeter protection, for example when you secure your house at night but stay inside. You can move inside of the house, but if someone tries to enter without unset, this triggers an alarm. Notification to the central station may be sent depending on system configuration settings. Your installer can provide details.

Depending on the keypad model, you may be prompted to choose an appropriate set to part set:

```
1>Part set 1  
2 Part set 2
```

When to unset

If the area you want to enter is set, you must first unset the alarm system before you can enter as otherwise you will trigger an alarm. Depending on system configuration you may be able to tell when an area is set because the LED on the keypad is lit red. If the armed display is enabled, only the Mains LED will be lit. Once a valid code is entered, the system status will be shown.

In most cases an entry beeper sounds indicating that the system needs to be unset or an alarm will occur.

The time limit to leave the premises once set

Once you have set the system, you must leave the premises (or area) within a pre-set time (“exit time”) as otherwise you will set off the alarm. The manager of the system needs to inform everyone about this time limit.

Normally, you will hear a beeper during the time allowed to leave the building.

Make sure you know which route to take when leaving the premises.

The time limit when unset

Once the system is set, you have to unset the area within a pre-set time (“entry time”) as otherwise you will set off the alarm. The manager of the system needs to inform everyone about this time limit.

You will normally hear a beeper during the time allowed to unset.

Note: There can be programmed an extended entry time. After the main entry time passes, the entry timer is extended for a programmed time period and a local alarm activates. See “Local alarm” on page 15 for more details.

Unset when there is an alarm

If there is an alarm condition while you are unsetting the system, the alarm is reset. You must then find out what caused the alarm and make sure it does not happen again. See “What to do when there is an alarm” on page 15.

Unsetting while the system is in alarm is described in “Resetting an alarm” on page 16.

When you cannot set or unset

WARNING
No access

You might not be authorised to set/unset specific areas on the premises because:

- Your keypad has been programmed to set/unset specific areas of the premises only. Make sure you know which keypad to use if there is more than one present of the premises.
- Your PIN and/or card have been programmed to set/unset only specific areas of the premises. Make sure you know which areas you are authorised to set/unset.
- Your alarm system might have more than one control panel. If so, each will have been programmed to set/unset only specific areas of the premises. Make sure you use the correct keypad for the areas you want to set/unset.

Active zones

You cannot set an area if it has a zone that is open, such as the magnetic contacts of a door or window. So, before setting, make sure that all doors and windows are properly closed.

If a zone is open when you try to set, you get the message:

CHECK SYSTEM
Devices open

All the active zones are listed:

1 Zone active
Zone 1

Setting the areas is now disallowed. If the indicated zones have to stay open (for example, you need to leave a window open), the problem may be resolved using one of the following methods:

- Cancel the setting using the Clear button. Log on to the menu and inhibit the zone if it should remain active. See “Inhibiting / uninhibiting zones” on page 21 for more information. After active zone is inhibited, attempt the setting procedure again.
- Inhibit the zone from the set menu. This is only allowed if you have the proper options available. It only works on zones that are allowed to inhibit. Press Off to inhibit.

```
>1 Zone 1  
-----
```

```
Inhibited  
Alarms
```

If any more zones are active, this step may be repeated.

- Use forced set.

You can activate forced set only if you have the proper options available. The system configuration also needs to include this option. Forced set is an automatic inhibiting of open zones and some faults. The conditions for inhibiting and uninhibiting items are configured in the system. The manager must inform users when they are allowed to use forced set.

To activate forced set, press On. All open zones and faults are inhibited, and the appropriate warning is displayed. See “Inhibited zones and faults” below.

Active faults

```
CHECK SYSTEM  
Faults
```

You cannot set an area if certain system faults are present. The list of faults preventing setting the system is defined by the installer. It is possible to temporarily disable these warnings in the same way as for active zones (see above). The manager must inform users whether or not they are authorized to disable faults in this way.

Inhibited zones and faults

If there are inhibited faults or zones, it is necessary to confirm information about it.

```
WARNING  
Inhibited
```

All the inhibited zones and faults are listed:

```
Inhibited  
Zone 1
```

```
Battery fault  
Inhibited
```

- Press Enter to confirm the warning. After this the setting procedure continues.
— or —
- Cancel the setting using the Clear button. After you have determined which zones are active, check these and resolve the problem (for example, close the door). Attempt the setting procedure again.

Note: If you do not cancel the setting, after fixing the problem the setting procedure is continued automatically, and you can raise an alarm when you proceed to the exit after closing the zone.

The manager of the system must inform users which keypads they can use, and which areas they can set and unset.

Set areas via LCD keypad

To set areas via LCD keypad:

1. Provide an allowed key sequence indicated in “Common key sequences” on page 32.
2. If prompted, choose areas. See “Areas displayed during set and unset” on page 13 for more information.

If there are inhibited or isolated zones in selected areas, they are listed on the display.

3. If you want to continue setting, press Enter. Otherwise, press Clear to cancel the set process.

See “Inhibiting / uninhibiting zones” on page 21 for more information.

The exit tone sounds. This may be a continuous tone or an intermittent tone.

4. Exit the premises using the designated entry/exit route.

The exit tone switches off.

When an area is set, its LED lights up red.

If programmed, after a delay the armed display is engaged, and LEDs are extinguished.

Part set areas via LCD keypad

To part set areas via LCD keypad:

1. Provide an allowed key sequence indicated in “Common key sequences” on page 32.
2. If prompted, choose the appropriate part set.
3. If prompted, choose areas. See “Areas displayed during set and unset” on page 13 for more information.

If there are inhibited or isolated zones in selected areas, they are listed on the display.

4. If you want to continue setting, press Enter. Otherwise, press Clear to cancel the set process.

See “Inhibiting / uninhibiting zones” on page 21 for more information.

If programmed, the exit tone sounds. This may be a continuous tone or an intermittent tone.

The exit tone switches off.

When an area is partially set, its LED lights up red.

If programmed, after a delay the armed display is engaged, and LEDs are extinguished.

Unset areas via LCD keypad

To unset areas via LCD keypad:

1. Enter the premises using the designated entry/exit route.

An intermittent entry tone starts, and the following prompt is displayed:

```
Enter card/code  
to unset
```

2. Provide an allowed key sequence indicated in “Common key sequences” on page 32.
3. If prompted, choose areas. See “Areas displayed during set and unset” on page 13 for more information.

The entry buzzer stops, and the areas are unset.

LEDs are extinguished, and the time and date is displayed.

Set areas via keypad without LCD

To set areas via keypad without LCD:

1. Provide an allowed key sequence indicated in “Common key sequences” on page 32.

If the operation is not possible, the keypad beeps seven times. See “When you cannot set or unset” on page 9 for more information.

The exit tone sounds. This may be a continuous tone or an intermittent tone.

2. Exit the premises using the designated entry/exit route.

The exit tone switches off.

When an area is set, its LED lights up red.

If programmed, after a delay the armed display is engaged, and LEDs are extinguished.

Unset areas via keypad without LCD

To unset areas via keypad without LCD:

1. Enter the premises using the designated entry/exit route.
An intermittent entry tone starts.
2. Provide an allowed key sequence indicated in “Common key sequences” on page 32.
The entry buzzer stops, and the areas are unset.
LEDs are extinguished.

Autoset

The system can be configured so that the premises are set automatically at a particular time and a day of the week.

Before the autoset begins, the warning time starts. The system may warn the users by a sound. The following message is displayed:

```
INFO
Auto setting
```

Depending on system settings and user privileges, you can postpone the autoset during the warning time. To do this, press Clear and authorize.

The system manager will inform you for what time the autoset can be postponed.

Areas displayed during set and unset

If your system has not been programmed to display the areas assigned to your PIN on the LCD, those areas are automatically set/unset (provided all zones were normal).

The area LEDs illuminate when the set or unset procedure is successful.

If you are authorized to operate both on areas and area groups, you will be prompted to choose between areas and area groups.

```
Select mode
>Areas<
```

Choose between areas and area groups, and then press Enter.

Area list

If the areas assigned to your PIN are displayed, any of those areas that are set (or unset) will be listed. Depending on the keypad model and its settings, areas are shown as a list or a symbolic line. For example:

```
0> All
1 * Office
```

— or —



Each area in the list has an indicator that describes its status. The following area statuses are available.

Table 3: Area statuses and indicators for different keypads

Area status	List	Symbolic line
Ready to set	Space	√
Not ready to set	?	?
Exit time	x	x
Alarm	!	🔔
Set	*	■
Part set 1	-	[
Part set 2	=]
Selected	+	+ (blinking)

Depending on the type of the list, you now have the following options.

Selecting areas in the list

- To select or deselect an area, enter the area number. Note that you can only select areas that are currently shown on the display.
- To continue with selected, or with all areas if none selected, press Enter, or Right, or 0.
- To cancel, press Clear.

Selecting areas in the symbolic line

All areas are selected by default.

- To select or unselect an area, enter the area number. Note that you can only select areas that are currently shown on the display.
- To set or unset selected areas, press Enter or 0.
- To cancel, press Clear.

Area group list

If you are authorized to set or unset area groups, these will be displayed instead of single areas.

Set or unset area groups the same way as described for areas above.

What to do when there is an alarm

When there is an alarm, the LED of the area in alarm and the alarm LED flashes on the keypad. If the armed display is active, the LEDs start flashing when a user code has been entered. The time and date message is no longer displayed.

An area can have several zones associated with it. When there is an alarm, it is important that you know exactly which zone is causing the alarm so that you can quickly deal with it.

What happens when there is an alarm

There are different types of alarm, and they occur under different situations.

Alarm

An alarm is raised if:

- The area is set and one of its zones has been activated. For example, a door lock has been forced open causing a siren to sound.
- The area is unset, and a 24-Hour zone was activated. Examples: a hold-up button is activated, or a tamper switch is open.

The exact type of alarm signal depends on how the system has been programmed (strokes, sirens etc.) The LED on the keypad flashes quickly. The area LED on the panel identifies the location of the alarm.

When programmed, the alarm is sent to the central station.

Local alarm

The alarm is only heard inside the premises and is dealt with locally. An internal siren activates. The area LED on keypad flashes (depending on how it has been programmed). The keypad beeps until someone acknowledges the alarm at the keypad.

It occurs, for example, when a zone programmed as fire door has been activated.

The central station does not need to be contacted.

System alarm

This alarm can occur at any time. The exact type of alarm signal depends on how the system has been programmed (strokes, sirens etc.) It occurs when the security equipment (such as the panel) has been tampered with, or detects a fault.

You can only reset a system alarm if your PIN has been authorised to do so, and only after the fault is restored.

When programmed, the central station is contacted automatically by the system.

Who to contact when an alarm occurs

Contact the manager of your security system when an alarm occurs.

Viewing an alarm

After disarming all the alarms are listed on the screen.

```
Alarm
  Pending >0<
```

```
Zone 1
  Pending >0<
```

The first screen shows the type of the alarm. The second shows the source of the alarm. The second line shows if there are more alarms for this source.

Resetting an alarm

To switch off sirens or bells, you must unset the appropriate area.

If an alarm is active, the reset procedure is the same as for a standard unset. After the system is unset, you are prompted to acknowledge the alarms. This is possible only if the problem has been resolved.

Confirming an alarm

If you are permitted, you can confirm an alarm to switch off sirens or bells without area unset.

If there is an alarm in an area that is set, repeat the set procedure using the Set button to confirm alarms. After a proper authorization you will be prompted to acknowledge alarms. The area remains in the set state, and alarms or faults are confirmed and silenced.

Acknowledging the alarm

If you are permitted, you can acknowledge the alarm by pressing Off.

The alarm cannot be acknowledged if its cause is still active, for example, if there is a zone tamper. The fault should be fixed prior to acknowledging the alarm caused by this fault.

All alarms must be acknowledged. A counter during the alarm acknowledgement process indicates the number of outstanding alarms to still be acknowledged. If you don't acknowledge the alarms after the unset, you are prompted to do so before next set or after the next unset, until all alarms are acknowledged.

Performing a walk test

If the system is programmed for user walk tests, sometimes while setting the area, the system may ask you to perform the area walk test. To pass the walk test, you need to go to all the zones displayed. The system lists all zones still to be tested. The manager of the alarm system must inform users which zones must be tested to pass the walk test.

The necessity of the walk test depends on:

- System settings
- Activity of the programmed zones in last 4 hours

You can perform the walk test manually using “8.2.1 Walk test” menu (described on page 28).

Problems that can occur

There is a faulty zone

A faulty zone continues to cause an alarm until it is isolated from the system.

Your manager is allowed to isolate the faulty zone if necessary.

As soon as the faulty zone is isolated or the problem has been resolved, the alarm is reset automatically.

Your PIN does not work when you try to acknowledge an alarm

There are two possible reasons why your PIN may not work when you attempt to acknowledge an alarm:

- You can only acknowledge an alarm for an area if your PIN is assigned to it. If it is not and you try to acknowledge an alarm, you might set/unset the area instead.
- You cannot acknowledge a system alarm unless your PIN is authorised to do so.

The keypad does not respond to key presses

The keypad may not respond to key presses even when there is no fault in the system. The keypad is locked after a wrong PIN is entered three or more times.

When you press a key on a locked keypad, it beeps seven times.

After 2 minutes the keypad becomes available again.

Mobile Application

Advisor Advanced Pro mobile application allows users to monitor and control your Axon x700 security system via TCP/IP using a smartphone running Android or iOS operating system.

Note: Your control panel must be connected to the Ethernet or to the Internet (for example, via GPRS connection). The following settings must be also applied if the panel is connected to a home router:

- Configure port forwarding in your home router
- Instead of the panel, connect to the router IP address or DNS name

Note: Advisor Advanced Pro cannot be used by panel installer. Therefore, installer PIN will not grant access to the application user.

Connecting to the panel via UltraSync cloud

To connect to the panel from the mobile application via UltraSync cloud, do the following:

1. Run Advisor Advanced Pro mobile application.
2. Set UltraSync as the communication channel.
3. Enter your panel serial number in the SID number field.
4. Enter your UltraSync password.
5. Enter your panel name for identification in the mobile application.
6. Tap Next.

Enter your panel remote login and password, and select the login prompt mode.

Note: After 10 unauthorized access attempts via Downloader or mobile application the remote login is locked for 90 seconds.

Tap Log in, or Setup next panel if required.

If the application is run for the first time, the end-user license agreement (EULA) is prompted. Read and accept the agreement to start using the application and connect to the panel.

For more information see *Advisor Advanced Pro Mobile Application User Manual* and *Advisor Advanced Pro Mobile Application Online Help*.

User management

Panel user management is available using the Advisor Advanced Pro application only for the Supervisor user configured in the panel at position 2.

The Axon x700 menu

The Axon x700 system uses a menu structure to present the various options and commands available. The availability of these depends on system configuration and on the permissions in your user group. You may not always see all the items described in this manual.

If you access the menu and do not press any key for three minutes, the system time out function automatically exits from the menu. It is good practice to make sure you exit the menu using the Clear button rather than this time out facility. If someone else uses the menu before it times out, the options used will be logged against your user account.

If you attempt to select an option that is not authorised in your user account, the display shows the message:

```
ERROR
Access denied
```

Although you might be authorised to access a menu option, you might not be allowed to access all the information it provides. You are only allowed to access information for the areas assigned to your user account.

Area selection

Depending on the system settings and your user group, you may be prompted to choose areas that you are going to operate on.

```
Select areas
to operate
```

The area selection list is the same as the set/unset area list. See “Areas displayed during set and unset” on page 13 for details.

The selected areas will be excluded from normal operation. Other users will not be able to control these selected areas until you exit the menu.

Note: Door access functionality is not affected by the programming mode.

How the menu option sections are organised in this manual

Menu options are numbered in the Axon x700 system. This numbering system is also used in this manual, so menu option 1 “Inhibit zones” is topic “1 Inhibit zones”.

The menu number also refers to the key sequence that can be pressed to enter the menu. For example, if you want to enter menu “7.2 Walk test”, you can press 7, then 2 after entering the menu system.

Option availability

Not all options described below may be available. Option availability depends on the following:

- Firmware version
- Panel model
- Installed expansions (for example, wireless expander or GSM communication module)

Accessing menu

Before commencing, ensure that the welcome or status screen is shown on the display.

```
CARRIER F&S
TUE 29 Apr 08:55
```

— or —

```
1 2 3 4 5 6 7 8
█ [ ] √ x ? + +
```

Provide an allowed key sequence indicated in “Common key sequences” on page 32.

From the display you can now:

Option	Action	Result
Change the selection	Press Up or Down	Select previous or next menu option
Enter the menu option	Enter menu option number — or — Press Enter or Right to enter the selected one	Jump to a specific menu option
Show help	Press Help	Display a description of the selected menu entry (if available)
Exit a menu option	Press Left or Clear	Exit the menu option

Zone options

1 Zone options

```
1>Inhibit zones  
2 Camera menu
```

The menu allows inhibiting zones and performing user operations on cameras.

Inhibiting / uninhibiting zones

1.1 Inhibit zones

The Inhibit function is used to inhibit zones and exclude them from the security system until the next unset.

There may be occasions when you want to inhibit a zone. For example, if you want to leave a window open when the system is set. By inhibiting the zone associated with the window, when you set the system, you will not activate an alarm.

Note: It is also possible to inhibit active zones while setting an area. See “Active zones” on page 9 for more information.

Enter the “Inhibit zones” menu to inhibit or uninhibit zones. What happens next depends on whether or not there are active zones:

All zones are normal

You can inhibit normal zones if you know their zone number.

```
1>Zone 1  
Uninhibited
```

1. Press Up or Down to scroll through the zones.
2. Press the zone number, or use Enter to select a zone.
3. Change the zone state using Up and Down.
4. Confirm the changes by pressing Enter.
5. Press Clear twice to exit programming.

Active zones

When one or more zones are active, the system displays:

```
1>Zone 1  
Active
```

The active zones are listed one by one.

1. Press the Up and Down buttons to scroll through the zones.
2. To inhibit the selected zone, press Enter. The confirmation is displayed:

```
1>Zone 1  
Inhibited
```

3. If you do not have rights to inhibit the selected zone, the following warning is displayed:

```
WARNING  
No access
```

4. Press Clear to exit programming.

Shunting zones

1.2 Shunt zones

The shunt function is used to inhibit zones for a certain time period.

Enter the “Shunt zones” menu to switch zone shunts on or off.

```
1>Zone 1  
Shunt off
```

1. Press Up or Down to scroll through the zones.
2. Press the zone number, or use Enter to select a zone.
3. Change the zone state using Up and Down.
4. Confirm the changes by pressing Enter.
5. Press Clear twice to exit programming.

Panel status

4 Panel status

The "Panel status" function lists zones that are in alarm or tamper alarm, zones that are inhibited or active, plus system alarms.

There are menu options that display each of these conditions separately. However, this option can be used to check on all zones that need attention.

If you are allowed, you can see the panel current status using the "4 Panel status" menu.

The following data can be viewed:

- 1 View open zones: Displays zones that are not in normal state. The top line shows the zone that is not in normal state. The bottom line shows the zone status.
- 2 Alarms: Displays and lets you to acknowledge pending alarms.
- 3 Faults: Displays active faults.

Settings

5 Settings

```
1>PIN code
2 Remote opts
```

Use the menu to change PIN and configure SMS and voice settings.

5.1 PIN code

```
1>Change PIN
*****
```

Use the menu to change your PIN.

5.1.1 Change PIN

```
1 Change PIN
> <
```

If you are allowed, you can change your PIN using Change PIN menu.

The PIN policy in the Axon x700 system can be configured in one of the following ways:

- PINs are generated by the system. The user can request a new PIN generation, but PINs cannot be entered manually or edited.

The PIN is generated when pressing Enter in this menu. Once generated the code is then displayed.

- PINs are entered manually.

If you are allowed to do it, you can enter the unique PIN you want to have.

Pressing Enter lets you enter or edit a PIN.

To confirm the PIN, enter it again.

PINs must be unique. A PIN cannot be assigned to more than one user. The system does accept entry of PINs that are already in use.

5.2 Remote opts

```
1>Remote login
name@email.com
```

The menu contains configuration menus for remote access.

5.2.1 Remote login

```
1 Remote login
>name@email.com<
```

The menu allows you to configure your remote access.

After the new login is set, you are prompted to provide the remote password.

```
New password
> <
```

Note: It is highly recommended to follow these requirements to ensure proper remote password complexity:

- The password is minimum 8 characters long
- Contains minimum 1 uppercase letter, 1 lowercase letter, 1 digit, and 1 special character (+ - * % & < > / @ space)
- Doesn't contain your user name, real name, or company name
- Doesn't contain a complete word
- Differs significantly from previous passwords

If the login and password are set successfully, the following message is displayed:

```
INFO
Login/Passwd set
```

To remove the existing remote login, enter the empty string instead.

5.2.2 Change passwd

```
2 Chg rem passwd
> <
```

Use the menu to change your remote password.

If the password is changed successfully, the following message is displayed:

```
INFO
Password changed
```

5.2.3 Mobile number

```
3 Mobile number
> <
```

The menu lets you set your personal mobile phone number.

This phone number is used if the GSM reporting destination type is set to User or User Group.

This mobile phone number also identifies a sender of an SMS command. See *SMS Control Reference Manual* for more information.

5.2.4 SMS reporting

```
2 SMS reporting
Off
```

The SMS reporting menu lets you enable or disable SMS reporting to you.

This option is editable only if you belong to a user group that has SMS reporting privilege enabled.

5.2.5 SMS control

The SMS control menu allows you to see whether you have a possibility to send SMS commands.

System manager will provide you with the list of SMS commands you can use.

Note: SMS control for a user is disabled after 10 attempts to perform an unauthorized SMS command. See *SMS Control Reference Manual* for more information.

Door control

6 Door control

```
1>Door open
```

The menu allows you to send a direct command to a specific door.

- 1 Door open: Open a specific door for a time period configured for this door.
- 2 Door lock: Lock a specific door.
- 3 Door unlock: Unlock a specific door until Door lock command is sent.
- 4 Door disable: Disable a specific door. This makes access for all users denied.
- 5 Door enable: Enable a disabled door.

Select a command, then select a door from the door list, and press Enter.

Service

8 Service menu

The Service menu allows performing the maintenance tasks described below.

8.2 Test menu

```
1>Walk test
2 Input test
```

The menu contains functions that allow the user to test the alarm system.

8.2.1 Walk test

```
Walk test
in progress
```

Walk test allows the user to test all detectors in the selected areas.

To perform the walk test:

1. Enter the menu.

Next, you are prompted to choose between total and reduced walk test.

```
Walktest scope
>Total<
```

The following options are available:

- Total: Standard walk test. All appropriate zones are tested.
- Reduced: Reduced walk test. This test is limited only zones that were not active recently, during last 4 hours, or since the last set.

Choose a walk test scope and press Enter.

The display lists all zones to be tested.

```
1>Zone 1
Need Active
```

2. Walk along all detection points and make sure the detector is activated either by walking in front of it or by opening a door or window.

Each activated zone is removed from the list on the display.

3. Return to the keypad and verify the result.

If the test is passed, the following message is displayed:

```
Walk test OK
Press Enter
```

Otherwise, there still is a list of untested zones. Contact the installer if you are unable to pass the walk test.

See also “Performing a walk test” on page 16 for more information.

8.2.2 Test input

```
0>Zone  
1 Panel
```

Enter the Input test menu to test inputs.

Select Zone to enter zone number. Alternatively, select the input location first (panel, internal or external expander), then enter the (physical) input number on this location.

Zone number, name, and input state are displayed.

```
12>Warehouse  
Normal
```

You can now:

- Scroll through the list of zones. Press Up or Down.
- Scroll between input state, zone type and zone location. Press Left or Right.

```
12>Warehouse  
Alarm
```

```
12>Warehouse  
Panel Exp 1.12
```

- Exit input test. Press Clear.

8.5 Communications

```
4>UltraSync
```

The menu is used to change particular communication settings.

Note: The option availability depends on the user group permissions.

8.5.4 UltraSync

```
1>Notifications
```

The menu allows you to configure the UltraSync cloud communication.

8.5.4.1 Notification list

```
1>Notification 1  
2 Notification 2
```

The menu allows you to configure and remove push notifications for your smartphone.

Note: The panel menu does not allow you to add notifications. You can add notifications only using a smartphone application.

8.5.4.1.n Select notification

```
1>Name  
Notification 1
```

Select a notification to configure it.

8.5.4.1.n.1 Notification name

```
1 Name  
>Notification 1<
```

Every push notification can be programmed with a name to identify it.

Use the menu to enter or change the push notification name. The push notification name can contain up to 16 characters.

8.5.4.1.n.2 Identifier

```
2>Identifier
```

The informational screen that shows the smartphone notification identifier.

8.5.4.1.n.4 Status

```
4>Status  
Active
```

The informational screen that shows the status of the selected notification.

- **Active:** The notification is active and can be received by the user.
- **Inactive:** The notification is disabled by the installer or supervisor, or the user group permissions do not allow the user to receive notifications, or no event types are enabled for push notifications in “8.5.4.1.n.5 Event types” below.

8.5.4.1.n.5 Event types

```
1>Alarms  
Enabled
```

The menu allows you to select types of events that will be sent to the smartphone.

If the option is enabled, any event of that category is sent via push notification to the assigned user.

The following options are available:

- **1 Alarms:** Alarms pending, Panic, RF Jamming, Tamper, Soak, Technical
- **2 Set/unset:** Set, Unset, Part set, Inhibit
- **3 Power:** Battery fault, Battery low, Mains fault, PSU fault
- **4 System:** Engineer reset, Service, Local programming, RFU events, Auto CS test, Isolation
- **5 Video:** Picture memory full, Picture deleted, Picture taken
- **6 Fault:** Ethernet link, Communication, Fuse, Power and internal faults and restores
- **7 Access:** Access denied, access granted

8.5.4.1.n.6 Delete notification

```
6 Delete notif.  
  >Cancel<
```

Use the menu to remove the selected push notification from the system. To remove the notification, select OK and press Enter again. The notification is deleted.

Common key sequences

See “Set and unset the system” on page 8.

The authorization method depends on system settings. Your manager can inform you what method should be used for authorization.

Common key sequences for LCD keypad

Table 4: Common key sequences for LCD keypad

Action	Programmed method	Key sequence	[1]	
Set	Set with key	On	<input type="checkbox"/>	
		On, PIN, Enter	<input type="checkbox"/>	
	Set with PIN	PIN, On	<input type="checkbox"/>	
		Card	<input type="checkbox"/>	
		On, card	<input type="checkbox"/>	
	Set with card	3 x card	<input type="checkbox"/>	
		Set with card and PIN	On, card, PIN, Enter	<input type="checkbox"/>
			Card, PIN, On	<input type="checkbox"/>
	Unset	Unset with PIN	Off, PIN, Enter	<input type="checkbox"/>
			PIN	
PIN, Off			<input type="checkbox"/>	
Unset with card		Card	<input type="checkbox"/>	
		Off, card	<input type="checkbox"/>	
Unset with card and PIN		Off, card, PIN, Enter	<input type="checkbox"/>	
		Card, PIN, Off	<input type="checkbox"/>	
		Card, PIN		
Part set		Part set with key	Partset	<input type="checkbox"/>
			Partset, PIN, Enter	<input type="checkbox"/>
	Part set with PIN	PIN, Partset	<input type="checkbox"/>	
		Part set with card	Card	<input type="checkbox"/>
			Partset, card	<input type="checkbox"/>
	Part set with card	3 x card	<input type="checkbox"/>	
		Part set with card and PIN	Partset, card, PIN, Enter	<input type="checkbox"/>
			Card, PIN, Partset	<input type="checkbox"/>
Door access	Door access with PIN	PIN, Enter	<input type="checkbox"/>	
	Door access with card	Card	<input type="checkbox"/>	
	Door access with card and PIN	Card, PIN, Enter	<input type="checkbox"/>	

Action	Programmed method	Key sequence	[1]
Menu access	Menu access with PIN	Menu, PIN, Enter	<input type="checkbox"/>
		PIN, Menu	<input type="checkbox"/>
	Menu access with card	Menu, card	<input type="checkbox"/>
	Menu access with card and PIN	Menu, card, PIN, Enter	<input type="checkbox"/>
Card, PIN, Menu		<input type="checkbox"/>	
Duress	Duress with PIN	Any set key (On / Off / Partset), duress code, Enter	<input type="checkbox"/>
		Duress code, any set key	<input type="checkbox"/>
	Duress with card and PIN	Any set key (On / Off / Partset), duress code, card, Enter	<input type="checkbox"/>
		Card, duress code, any set key	<input type="checkbox"/>
Change keypad buzzer volume	Increase volume	X + Right	<input type="checkbox"/>
	Decrease volume	X + Left	<input type="checkbox"/>
Panic	Panic alarm	1 + 3	<input type="checkbox"/>
Active alarms	Display active zones and faults that should be acknowledged	Function, Function	<input type="checkbox"/>
Alarm memory	Display alarms that occurred when set	Enter, Enter	<input type="checkbox"/>

[1] Availability must be defined by the manager.

See also “Areas displayed during set and unset” on page 13.

Common key sequences for keypad without LCD

Table 5: Common key sequences for keypad without LCD

Action	Programmed method	Key sequence	[1]
Set	Set with PIN	On, PIN, On	<input type="checkbox"/>
		PIN, On	<input type="checkbox"/>
	Set with card	Card	<input type="checkbox"/>
		On, card	<input type="checkbox"/>
		3 x card	<input type="checkbox"/>
	Set with card and PIN	On, card, PIN, On	<input type="checkbox"/>
Card, PIN, On		<input type="checkbox"/>	
Unset	Unset with PIN	Off, PIN, On	<input type="checkbox"/>
		PIN	<input type="checkbox"/>
		PIN, Off	<input type="checkbox"/>
	Unset with card	Card	<input type="checkbox"/>
		Off, card	<input type="checkbox"/>
	Unset with card and PIN	Off, card, PIN, On	<input type="checkbox"/>
		Card, PIN, Off	<input type="checkbox"/>

Action	Programmed method	Key sequence	[1]
		Card, PIN	
Part set	Part set with card	Card	<input type="checkbox"/>
		3 x card	<input type="checkbox"/>
Door access	Door access with PIN	PIN, Off	<input type="checkbox"/>
	Door access with card	Card	<input type="checkbox"/>
	Door access with card and PIN	Card, PIN, On	<input type="checkbox"/>
Duress	Duress with PIN	Any set key (On / Off), duress code, Enter	<input type="checkbox"/>
		Duress code, any set key	<input type="checkbox"/>
	Duress with card and PIN	Any set key (On / Off), duress code, card, Enter	<input type="checkbox"/>
		Card, duress code, any set key	<input type="checkbox"/>
Panic	Panic alarm	1 + 3	<input type="checkbox"/>

[1] Availability must be defined by the manager.

When a PIN can be entered, the keypad beeps twice and flashes the red and green LEDs. When an operation fails the keypad beeps seven times. See “When you cannot set or unset” on page 9 for more information.

Function keys

Table 6: Function keys

Action [1]	Key	[1]
	A	<input type="checkbox"/>
	B	<input type="checkbox"/>
	C	<input type="checkbox"/>
	F1 (F + 1)	<input type="checkbox"/>
	F2 (F + 2)	<input type="checkbox"/>
	F3 (F + 3)	<input type="checkbox"/>
	F4 (F + 4)	<input type="checkbox"/>

[1] Functionality and availability must be defined by the manager.