alphatronics unii Modular Security Solution User Manual

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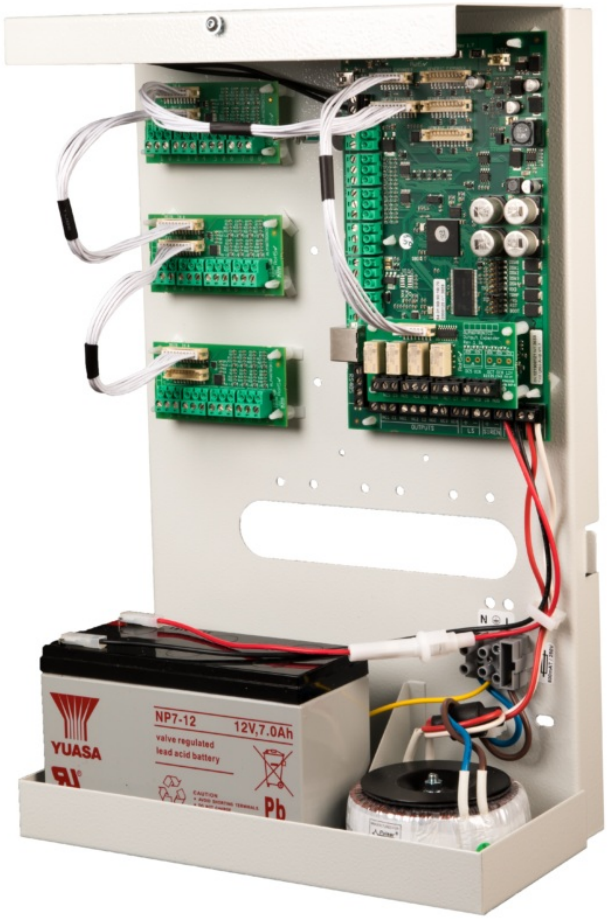


Contents

INTRODUCTION

Purpose of this manual
The purpose of this manual is to help the user get familiar with the UNii intrusion system. The manual explains about how to operate and control the control panel. Several of the special options explained in this manual can only be executed by the main user (supervisor).

General guidelines for use of the system
Do not panic when the alarm goes off. Disarm the system with your PIN code, access tag or wireless remote control (keyfob) and read the information that is shown on the display of the keypad.

The system works with a keypad that has an OLED display. The OLED displays information about the status of your system. If the information on the display is not clear, first consult this user manual.

Never hand your PIN code, access tag or keyfob over to another user, this can lead to unpleasant situations.

If a malfunction occurs, first consult this user manual. If the fault persists, contact your installer immediately. Your installer will give you further instructions.

Note important events (false alarm, user error, etc.) in a logbook including zone number, date, and time. During annual maintenance, the installer may be able to take measures to prevent these situations in the future.

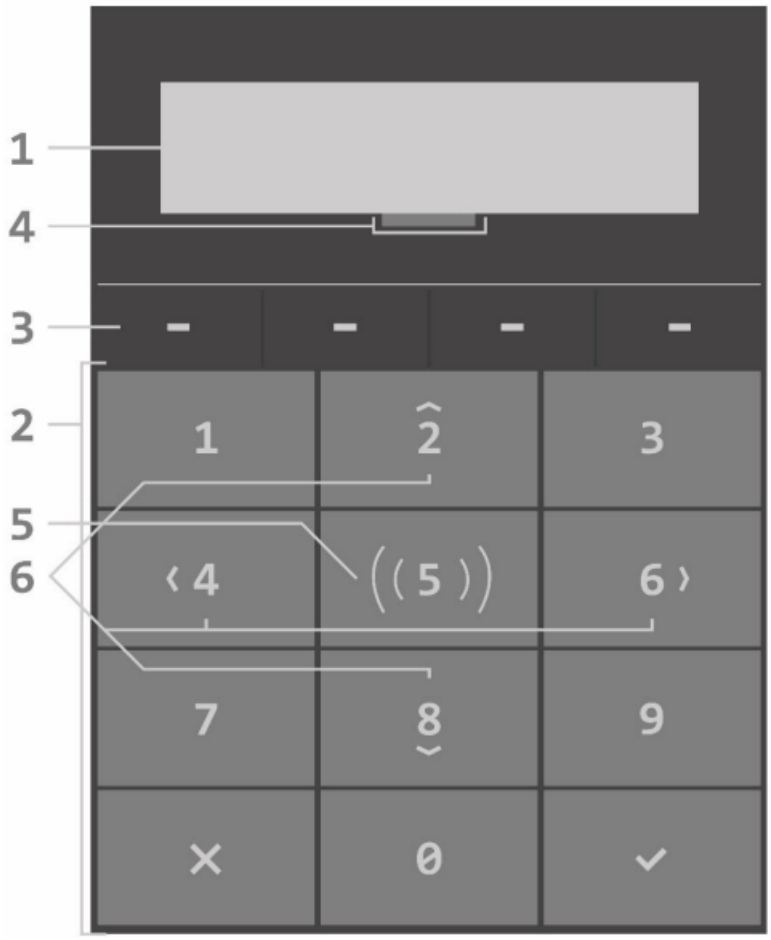
The UNii intrusion system is an advanced electronic device that has been professionally installed and commissioned by a professional installer. This device is called the “control panel”. The detection components, optical and acoustic alarm devices such as strobe lights, sirens and alarm diallers are connected to the control panel. The UNii is equipped with an integrated IP dialler that is connected to a free LAN port of your broadband modem / router for reporting alarms to, for example, a monitoring station.

The UNii security alarm system is armed and disarmed via the connected keypad using a PIN code or access tag. It is also possible to arm and disarm the security system via a (user) APP on the smartphone or tablet.

The system has been designed and tested according to the European standards regarding stability, reliability, and insensitivity to external electrical interference.

Keypad

Below is a picture of the UNii keypad.



1. OLED display
2. Keys
3. Function keys
4. Proximity sensor
5. Card reader (optional)
6. Navigation keys

Keys
The numerical keys 0 to 9 are used to enter a PIN code or numerical values in the menus.

The keypad has 4 black function keys, these keys are located above the numeric keys and have no fixed function. Depending on the status of the system, the operation being performed or the menu in which the user is located, the function of the function key may change. The function of the key is indicated by a text directly above the key in the display. The 3 left function keys can also be used as a shortcut. A hotkey can perform a specific action, such as switching on a certain section immediately in the night situation or activating an output. Ask your installer about the options.

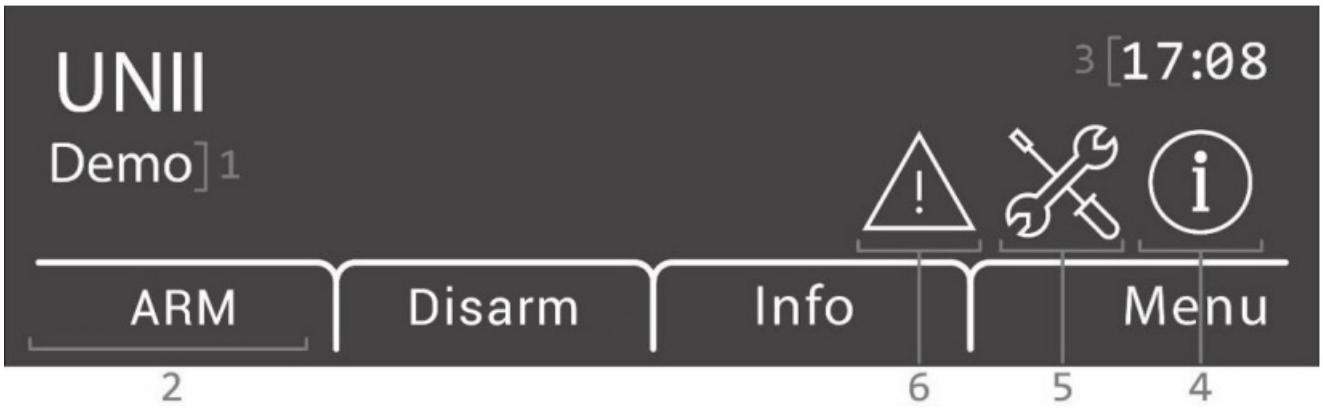
The keypad has Navigation keys, the numeric keys 2, 4, 6 and 8 are next to numeric keys also a navigation key. When navigation is possible or desired, the key illumination will go out under all other keys. With the navigation keys, only the keys of the navigation directions that are currently possible will light up.

Proximity sensor
The keypad is equipped with a proximity sensor. The proximity sensor causes the key backlight illumination and OLED display to light up as soon as movement is detected in the nearby vicinity of the keypad. The sensitivity of

the proximity sensor can be set by the supervisor in the user menu. See keyboard settings later on in this manual.

Display

In the picture below the OLED display of the UNii keypad is shown.



1. System name (2 lines)
2. Function of the function keys
3. Local Time
4. Indication that there is a message in the system.
5. Indication that the installer is authorised to enter the programming.
6. System is in test mode (contact your installer)

Card reader
The keypad of the UNii security system is available in 2 versions: a standard version and a luxury version with a built-in card reader. The card reader is located directly under the numeric key 5. The card reader uses the latest DESFire EV2 reading technology, the most secure reading technology at this moment. The reading distance of the card reader is approximately 5 cm above the numeric key.

Sections and Groups
The UNii security system uses Sections and Groups.

A section is a part of the security system and can be armed and disarmed independently from the rest of the system. An example of a section is for example, the ground floor of a residential house, a wing of an office building or the warehouse of a company. Each section has a name that is programmed by the installer during installation.

Groups can also be created above the section structure. A group can be created to arm or disarm multiple sections simultaneously. An example of a group is complete floor of a building of the entire house, a group also has a name that is programmed by the installer during installation.

Groups and sections can be armed and disarmed by a user by means of a PIN code or DESFire tag.

Operation

Arming
To arm the system, press the function button “Arm”, You will now be asked to enter a valid PIN code. Once the valid PIN code has been entered, the section or group for which the user is authorized will be displayed and can be armed. An open circle is shown in front of the name of the section or group, this indicates that the section or group is disarmed, if the circle is flashing the section or group is not ready to be armed. If the circle is closed, then

the section or group is already armed.

Select the section or groups to be armed by using the “Select” function key, a tick will appear behind each section or group. Multiple section or groups can be selected. When all section or groups are selected press the “Arm” function key to arm the selected sections or groups.

After starting the arming procedure, the exit delay is heard (if set) via the buzzer of the keypad. The buzzer beeps faster during the last 5 seconds of the exit time. Opening a delayed zone after the exit time has expired will start the entry procedure.

If an arming cannot be successfully completed (e.g., if an input remains open) then the system will not be armed. At that moment, a double beep will be heard via the buzzer of the keypad and on the loudspeaker output of the UNi.

In addition to using a PIN code, it is also possible to arm with a tag/card if the keypad is equipped with a built-in card reader. For arming with a tag/card, see “Arming with a tag” later in this manual.

NB. When the system is configured by the installer for arming without a PIN-code, the step to request a PIN-code will be skipped.

Disarming
To disarm the system, press the function button “Disarm”, you will now be asked to enter a valid PIN code. After entering a valid code, the sections or group that can be disarmed are displayed. A closed circle is displayed in front of the name of the section or group, indicating that the section or group is armed. Use the “Select” function key to select the section or group to be disabled, a tick will appear after each section or group. Multiple sections or groups can be selected. If all sections or groups are selected press the “Disarm” function key to disarm the selected sections or groups.

Hot keys
The 3 left function keys can also be used as a hotkey. For example, your installer can program a hotkey to be used to arm certain sections in the night mode or activate an output to open the gate. Ask your installer about the options.

Status
The section statuses of the system can be viewed using the section function key. An open circle means section or group disarmed, a flashing circle means section or group not ready to arm, and a closed circle means section or group armed.

Menu
This function key opens the user menu where several functions and menus can be found. See the “User menu” chapter for more explanation about individual functions and menus.

Arming with a tag
If the keypad is equipped with a built-in card reader, it is possible to arm and disarm the system using a DESFire EV2 tag or card. Depending on the tag settings (direct arm/disarm or normal), the tag will work as if a normal (PIN) code has been entered and the user must first select the relevant sections or groups and press the “arm” function key to arm. If direct is programmed the system will be armed immediately if all sections or groups linked to the tag are disarmed. If one or more sections or groups are already armed, the system will disarm, arming will be done by presenting the tag again.

Information
If information is present, the system will indicate this by showing the “i” symbol on the right-hand side of the display and an audible beep via the buzzer of the keypad. With function key 3 (info) the information can be displayed and possibly deleted. When all messages have been deleted, the “i” symbol will disappear from the

display.

Time switches
The system can be programmed to arm and disarm automatically, for an explanation see chapter “Time switch” in the User menu.

Test mode
When the installer has placed the system in the test mode, the ‘!’ Symbol is shown in the display. For more information consult your installer.

Installer authorised
If the installer is authorized by the supervisor (main user code) to access the system, a tool symbol is shown on the right of the display. The supervisor has the choice to give the installer only installer rights or to give installer + user rights. A time limit can also be entered for how long the installer has authorization for the system.

If the installer is not authorized by the supervisor, he cannot do anything in the system.

Audible signals of the system

Alarm: Alarm siren sound will be heard via the connected siren or speaker.
Fire: Slow-whoop fire sound will be heard via the connected siren or speaker.
Key stroke: Short tone 0,5 seconds.
Trouble buzzer: ●□●□● short tone every 10 seconds
(can de set to no sound during the night).
Entry buzzer: Constant tone (during programmed time).
Exit buzzer: 羊□ 羊□ 羊□ ● □ ● □ ● □ intermitted tone (last 5 seconds faster).

Tones

● = 0,5 sec. tone
羊 = 1 sec. tone
□ = pause

User Menu

In this chapter the different programming options and functions of the (user) menu are explained. Depending on the rights (set in the profile of users), some options may or may not be visible.

Information
The following functions are available under the “Information” sub-menu:

Notifications
The notifications menu shows the alarm and / or system events that are still present in the system’s memory. The messages can be deleted using the “Delete all” function key, provided the alarm situation has been removed. If notifications cannot be deleted, a new notification will be given.

Open inputs
Using this menu option, it is possible to see which inputs (sensors) are still open (in alarm).

Section status
The status section is displayed in this option. An open circle indicates section is disarmed, a flashing circle indicates section not ready to arm, a closed circle means section armed.

Event log
The last 1000 system events are stored in the Event log menu and cannot be deleted. By selecting a log line with function key “Select”, detailed information can be displayed if available.

System info
This screen shows the software version of the system and the IP address.

UNii manager key
This screen shows the unique key of your UNii security system. The installer needs this key to connect to the UNii manager tool to program the system.

Overtime
With this option an overtime time can be programmed for the automatic arming function, if used. Select the correct time switch from the list and enter the time you would like the system to stay disarmed.

(Un)-Bypass
A list of inputs is displayed in the bypass menu, a selected input can be bypassed or un-bypassed. By bypassing an input, it is temporarily disabled. Not all inputs can be bypassed, this is determined by the installer during installation.

Users
In the user menu you can, if permitted, modify your own user settings, or create a new user (only possible for supervisors). Depending on the UNii control panel model, the system has a maximum of 2,000 users. A code consists of 6 digits, with which 999,999 different code combinations can be made. A code with only 000000 is invalid.

In the usermenu the following main options are available:

- Change own data.
- Edit existing user.
- Add user.

Add user
Only possible for a user with administrator rights (Default this is User 1), this is normally only the supervisor of the system. A new user code can be created with this option. You will be asked twice to enter the new (PIN) code. After the (PIN) code has been created, the user settings can be changed via the “Change own data” or via the “Edit existing user”

Edit existing user
Only possible for a user with administrator rights (Default this is User 1). If the ‘Change existing user’ is selected, a list of users is shown in the display. Use the arrow up (key 2) and arrow down (key 8) to find the desired user and press the key or “Select” function key to view and / or modify the settings for this user.

If tags are used to arm and disarm the system, the user can also be searched in the system by presenting his / her tag. Once the list of users is displayed press the “Search” function key and present the tag to the reader on the keypad, the display will now jump to the user associated with this tag. Press the key or “Select” function key to view and / or modify the settings for this user.

The following user settings are present in the ‘Change own data’ of ‘Edit existing user’ menu’s:

Change name
Change the username. The username is displayed in the logbook and reported to a monitoring station.

Change code
Change the PIN-code you use to arm/disarm the system. The code cannot be changed to a code that already exists or to a duress code. The code 000000 code is an invalid code.

Change code functionality
Changing the function of the (PIN) code. Options are:

- Code Direct arm and disarm
- Code to menu.

Code Direct arm and disarm ensures that all sections or groups linked to this user code are armed or disarmed directly, Code to menu instructs the user to first select the section or groups and use the ‘arm’ or ‘disarm’ function keys to arm or disarm the sections or groups.

Change language
When the user is logged in, the menus can be displayed in a different language than the standard system language.

Change profile
With this option a user can be linked to a profile. Different profiles can be created for different groups or types of users. A profile defines which section (s) may be armed and disarmed.

Add tag
With this function, the user’s own tag can be enrolled or replaced. The change is established by presenting the card in front of the built-in card reader of the keypad.

Remove tag
A programmed tag can be deleted with this option.

Advanced settings

Keypad settings
The settings below can be set individually for each keyboard and can only be set on the keyboard where the menu is displayed.

LED brightness
The brightness of the key backlighting can be adjusted here (per keypad).

Display brightness
The brightness of the display can be adjusted here (per keypad).

Key volume
Here you can adjust the volume of the buzzer when a key is pressed (per keypad).

Buzzer volume
Here you can adjust the volume of the buzzer during entry and exit delays (per keypad).

Proximity sensor
Here the sensitivity of the proximity sensor can be set, if desired it can also be switched off, the display and key illumination will only light up when a key is pressed.

Doorbell

For each input the option is available to program it as a doorbell function, the doorbell sound can be switched on and off by the user on the keypad. If the doorbell function is switched on and an input is disrupted when the system is disarmed, an output programmed as “doorbell” and / or the speaker output of the system will briefly emit a sound. This function is very useful to indicate that a door is opened during the day.

mySmartControl
With this option the system can be linked to the mySmartControl cloud service. For more information about mySmartControl see chapter “General”.
Ask your installer about the availability and possibilities of the (mobile) APP.

Change Date/Time
The system date and system time can be changed with this option. If the installer has set an NTP server in the programming, the date and time will be automatically retrieved and daylight-saving time and wintertime will be automatically be adjusted in the system.
If desired, the NTP server option can be turned off, then the date and time must be set manually, and you will have to adjust the time manually during the transition to summer and winter time.

System test menu

Access installer
For maintenance on the system, the supervisor must give the installer access to the system, this can be done via this option. Here also a time is set in hours that the installer has access to the system, after the time has elapsed the installer automatically no longer has access to the system.

Input test
An input of the system can be tested using this option. Select the desired input from the list using the navigation keys and press the ‘Select’ function key. Activate the input by opening the door or window or walking through the room, a signal will be heard when the input is activated.

General

mySmartControl

The UNii can be connected to the mySmartControl Cloud service.
Using mySmartControl the UNii can be remotely controlled by a (mobile) APP and in the event of an alarm a push notification can be received on the smartphone and / or tablet. For linking the UNii with mySmartControl, consult the chapter “mySmartControl” in the user menu.
For more information regarding My Smart Control, visit **www.mysmartcontrol.com**.

Entry- and Exit mode
The UNii is equipped with a special functionality, in accordance with the EN50131 guidelines, to reduce false alarms. If your installer has enabled this option in the programming, the entry and exit mode works as follows:

- If a direct or 24-hour zone is activated during an exit delay (you leave the premises), the arming process will be cancelled. This is acoustically represented by a short signal via the LS (speaker) output. A notification (SIA code CI) is also sent to the monitoring station that the arming has been cancelled.
- If during an entry delay (you enter the premises) a direct or 24 hour zone is activated, connected sounders

(sirens and flash units) will be activated immediately, but the alarm reporting to the monitoring station will be delayed for at least 30 seconds later and always after expiry of the entry delay time. If the system is disarmed before the total time has elapsed (at least 30 seconds and always after the end of the entry delay), no notification will be sent to the monitoring station.

- If it is not possible to disarm the system within the entry delay time then all connected alarm devices will be activated after the entry time has elapsed, but the alarm reporting to the monitoring station will be delayed for 30 seconds.

Screensaver
To extend the lifetime of the display on the keypad, it is automatically switched off after a few seconds.
Using the built-in approach sensor in each keypad, the display and key backlight are automatically switched on when someone comes close to the keypad. Your installer can set the distance of the approach sensor or only switch it on with a key is pressed.

Alarm in a 24-hour zone
If an alarm occurs in a 24-hour zone, for example a fire zone, an immediate alarm will occur regardless of whether the system is armed or disarmed. To stop the siren (and possibly the strobe) a disarming must be performed, if the system is disarmed it must be disarmed again.

Protection against the 'unauthorised' entering of PIN codes
The system is protected against unauthorized entering of PIN codes. After entering an incorrect code 3 times, the operation of the keypad is completely blocked for 90 seconds. The blocking is repeated after every incorrect code until a valid PIN code is entered. If the control panel reports to an ARC, a special event will also be reported.

Menu overview
The following function and options are available in the (User) Menu. Press the "Menu" function key to enter the menu, enter a valid PIN code. Some menus or functions may not be visible, this depends on the user rights in the system. The supervisor code has access to all menus and options.

ARMING	List of sections and groups
DISARMING	List of sections and groups
INFORMATION	Notifications
	Open inputs

	Section status	
	Event log	
	System information	
	UNii manager key	
TIME SWITCHES	List of time switches	
(UN)BYPASS	List of input that can be bypassed	
USERS		
	Change own data / Edit existing user	
	Change name	Change name
	Change code	Change PIN-code
	Change code functionality	Change code functionality

	Change language	Change language
	Change profile	Change user profile
	Add tag	Enroll tag
	Delete user	Delete user tag
ADVANCED SETTINGS		
	KEYPAD SETTINGS	
	– LED brightness	
	– Display brightness	
	– Key volume	
	– Buzzer volume	
	– Proximity sensor	
	Doorbell	
	mySmartControl	

	Date/Time
MAINTENANCE	
	Installer access
	Input test

Definitions

Input: A sensor is connected to this (e.g. a motion detector or a door contact).
Section: A group of one or more inputs in a specific part of the building. Each section can be armed or disarmed separately.

Group: A group of one or more sections.
Bypass: Temporarily deactivating an input.
Duress code: If configured by the installer it is possible to arm with the code +1, it seems that the system works normally, but a separate message is sent to the monitoring station to indicate that the action was taken under duress.
Magnetic contact: Sensor that is placed on a window or door.
(PIR) Detector: A “sensor” or “eye.” A detector is a device designed to detect a certain phenomenon or movement.

European norms and security classes

The UNII and its associated components meet the following European standards:

Security Grade: Grade 3 bij gebruik van draadloos Grade 2.
EMC : EN50130-4:2011 + A1:2014
Power supplies : EN50131-6:2017
Safety: EN IEC 62368-1:2014 + A11:2017
Beveiliging: EN50131-3:2009, EN50131-1:2006 + A1:2009 volgens Grade 3 and environmental class II.
Radio : EN50131-5:2017 EN303 446 V1.1.0, EN301 489-1/52 EN55032
Alarm transmission: EN50131-10:2014, EN50136-2:2013
Certification body: Kiwa / Telefication BV, Nederland

EU Declaration of conformity: Alphatronics hereby declares that the radio equipment type UNii keypad KPR is in conformity with Directive 2014/53 / EU.
The full text of the EU declaration of conformity is available at the following internet address:
www.alphatronics.nl/uniidoc

APPENDIX

APPENDIX A: DETECTOR DEPLOYMENT (can be filled in by the installer)

Zone No.	Zone type	Zone Reaction	Detector location / Transmitter function	Section (1, 2, 3, 4….)	Doorbell (Yes/No)	Bypass (Yes / No)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						

12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

26						
27						
28						
29						
30						
31						
32						

Zone Types:

Intrusion Intrusion
Fire Fire (24-hour active, slow-whoop siren sound)
Tamper Tamper
Holdup Holdup
Medical Medical
Gas Gas
Water Water
Direct dialer input Direct reporting to monitoring stations (no info on system)
Key switch Arm- and/or disarming of sections.
Non alarm No alarm and no reporting to monitoring station

Zone Reaction:

Direct Immediate alarm with system is armed.
Delayed Delayed with the set delay time.
Follower Delayed provided that a delayed input is first activated in the same section.
24 hours Always alarm regardless of whether the system is armed or disarmed.
Last door Same as Delayed input but if input goes from open to close during the exit time, the exit time will be terminated immediately.

Section: To which section or sections the input is linked.
Doorbell: The zone activates a doorbell sound when the system is disarmed.

Documents / Resources

	**alphatronics unii Modular Security Solution** [pdf] User Manual unii Modular Security Solution, unii, Modular Security Solution, Modular Security, Security Solution, Security
	**alphatronics unii** [pdf] User Manual unii

References

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