User Guide

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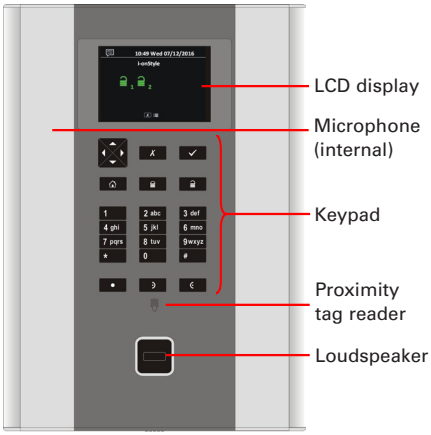


Figure 1. i-on Style control unit

About this guide

This guide provides an introduction to i-on Style alarm systems for users. It describes the main components of the alarm system, the key features and how to carry out typical day-to-day tasks.

If you need additional information, including details of the options in the User menu, please refer to the i-on Style Administration and User Manual.

Powering Business Worldwide

About i-on Style

Designed by Eaton, world leaders in the design of quality equipment, i-on Style is a high-reliability, professional alarm system intended for use in fully-wireless domestic, social care and small commercial applications.

The system supports up to 40 wireless (radio) detectors and, if required, an additional 4 detectors wired directly to the control unit.

i-on Style alarm systems provide a comprehensive range of communication options, configuration settings and peripheral devices, which provide the flexibility needed to customise the system to match the requirements of the most demanding applications.

System components

This section outlines typical components that your alarm system may include. Other components may be used, depending on your requirements.

Control unit

This is the main processing unit of the alarm system. From a user's view, its main features are as follows (Figure 1):

- **Colour LCD display** – This shows messages, prompts and options that guide you through the user interface.
- **Microphone** – To record voice memos, or to enable two-way communication with another person over a phone link.
- **Keypad** – This allows you to set or unset the system, access user options and acknowledge alarms. You can identify yourself to the system by entering your unique access code at the keypad.
- **Proximity tag reader** – Each user can have a unique proximity tag. Presenting your tag accesses the system in the same way as if you had entered your access code.
- **Loudspeaker** – This can, for example, replay voice memos, or produce tones when the system is being set or unset.

  (There is a separate powerful sounder inside the control unit that produces alarm sounds.)

Detectors

Detectors are devices that detect alarm conditions. Below are some popular examples, all of which can connect wirelessly (via radio) to the control unit.

Note: Many other detectors are available, including flood, shock and tilt sensors – please contact your installer for details.

Passive Infra-Red (PIR) movement detector. Pet-tolerant versions are available.

Smoke detector.

Door contact – to detect when doors are opened.

Perimeter PIR detector – to monitor external areas such as gardens. Dual-sensor technology and pet-tolerant mode ensure reliable outside operation.

Note: A zone is the lowest-level item that you can set or unset. Since there is normally only one detector per zone, the terms "zone" and "detector" are often used interchangeably.

External sirens

These are mounted externally, high up in a visible location for deterrence. They include a powerful sounder and strobes. Up to 4 external sounders can be used.

Wired and wireless (radio) versions are available.

Remote controls

Each user can have a portable remote control to set or unset the system or operate output devices from a distance.

Social care transmitters

These pendants and wrist-worn transmitters allow the wearer to signal that social-care assistance is needed.

HUA transmitters

Small portable Hold-Up Alarm (HUA) transmitters, also known as Panic Alarms (PAs), allow you to start alarms remotely.

Network cameras

Internal and external network cameras are available.

These allow the control unit to record and optionally email images when an alarm occurs.

One-way radio keypads

These allow you to arm or disarm the system remotely from a keypad.

Note: The keypad cannot be used to access menu options, since it has no display.

Internal radio sounders

These are intended for use in areas that are out of audio range of the control unit but where users need to hear alarms, entry tones, exit tones and other sounds.

Output devices

The installer can configure the system to control externals devices, which you can switch on or off from the control unit or a remote control, or which can operate automatically when, for example, an alarm occurs.

Key features

This section provides an overview of the key features, from a user's perspective, of i-on Style alarm systems.

Comprehensive set/unset flexibility

There are many options available to the installer to configure the setting/unsetting process to match your specific requirements.

If at any time, your requirements change, please contact your installer, who may be able to adjust the set/unset procedure without making any physical changes.

Social care and medical alerting

i-on Style systems are compatible for use in social-care applications, where there is need to provide constant care for elderly or infirm people.

An installer can, for example, set up the system to monitor an area, and generate an alert if no activity is detected during periods of the day.

The system can be set up to respond to an alert in many different ways. For example, by sending an email or text message, switching on a dedicated sounder, or sending a pre-recorded speech message to a nominated telephone number.

The control unit's built-in microphone and loudspeaker enable the recipient of a speech message to communicate two-way with the person seeking assistance.

If required, each person can also have a unique medical and/or social-care pendant. Pressing the button on the pendant activates a medical alarm or social-care alert. If a pendant is not available, the same action can be carried out by pressing the Hot key at the control unit.

Alarm communication

When the system detects an alarm, it starts the external sounder/strobe units and operates internal sounders, including the sounder in the control unit.

If you wish, your installer can also configure the control unit to communicate alarms externally to:

- An Alarm Receiving Centre (ARC), via the internet, a fixed-line telephone network or a mobile network.
- An email address.
- A mobile phone using a text message.
- A specified telephone number using a pre-recorded speech message.

Note: Communications via a fixed-line phone network or the internet is provided as standard. Communications across a mobile network requires the installer to fit a GSM module.

Voice memo recording/playback

You can use the voice memo feature to record a message. Any user can replay the memo when unsetting the system, or at any other time through the User menu.

Proximity tags

Each user can have a unique proximity tag. When presented to the control unit, the tag performs the same action as entering your access code.

Proximity tags make it easier for you to set or unset the system, and there is no need to remember an access code.

Home key

The control unit has a "Home" key, which the installer can configure to set or part set the system, or switch an external device (output) on or off, without you needing to use an access code or proximity tag.

Hot key

The control unit has a “Hot” key, which the installer can configure to generate a “Medical“ alarm or “Social Care” alert when the key is pressed.

Pressing the indicates that assistance is needed, and is particularly useful in social-care applications.

Pendants and wrist-worn transmitters are also available (see page 3), which duplicate the operation of the Hot key.

Partitioned and part-setting modes

Your installer has configured your system either as a part-setting system or a partitioned system, depending on your requirements. These two modes are explained below.

Part-setting mode

In this mode, the control unit can set in one of four ways: either full set or one of three part sets (part set B, C or D).

When the system is full set, all zones are set. When the system is part set, only the zones that belong to the part set are set. A part set may, for example, set the downstairs areas, leaving the upstairs unset (e.g. for use during the night)

Partitioned mode

This mode is useful if different users need to independently set and unset different areas of the building (known as partitions) at different times. This may occur if, for example, the building is split into separate apartments or has an annex occupied by elderly relatives.

In addition, each partition can be either full set or part set. This can be useful if you have an area that needs to be left unset at certain times (such as the upstairs during the night).

The system also allows the installer to define common areas such as hallways, which set only when you set all associated partitions.

Depending on requirements, individual users can be given access to set or unset one or more partitions.

Calendar setting/unsetting

You can configure the alarm system to set or unset automatically according to a schedule. For example, the system could unset automatically in the morning.

System control using SMS texts

You can use SMS text messages sent from a mobile phone or other messaging device to set/unset the system, activate/deactivate outputs, omit/un-omit zones or query the current status of the system.

For further information, please refer to the SMS Command Messaging User’s Guide.

Multiple users and user types

i-on Style gives you the ability to define many different users, each of which has a unique access code, and can have a different remote control, medical pendant and social-care pendant.

You can also assign one of many different user types to each user to limit the access each user has to the system.

Wide range of peripherals

i-on Style supports a wide range of peripheral devices (see from page 2), which gives the system flexibility to match current requirements and adapt to meet future requirements.

Camera integration

The control unit can record images from network cameras when an alarm occurs, and associate those images with the event.

If required, the system can send the images to an email address when an alarm occurs.

Control of external devices (outputs)

Your installer can set up your alarm system to switch external devices, such as lights or heating systems, on or off.

Devices can switch on or off automatically, such as when the system is set or according to a schedule. Alternatively, you can switch them on or off manually from the control unit or using a remote control.

HUA/panic/duress alarms

You can generate Hold-Up Alarm (HUA), otherwise known as a panic alarm, from the control unit, a remote control, hand-held HUA transmitter or using a separate panic button.

You can generate a duress alarm (to indicate that you are accessing the system under duress) by entering a pre-defined access code at the keypad.

Installer remote access

The installer has a separate Installer menu, which contains the options needed to configure your system. The menu can be accessed through the keypad on the control unit.

An alternative is to allow the installer to access your system remotely over the internet or through a telephone network, which may provide service benefits.

You have the ability to enable or disable remote access as required through the User menu.

Two-way speech communication

If configured, the control unit can send a pre-recorded speech message to one or more telephone numbers when a specified alarm or alert occurs.

Once received, the recipient can initiate a two-way conversation with a user at the control unit using the control unit's built-in microphone and loudspeaker.

Wide range of user options

Authorised users can access a User menu from the control unit. The menu contains options to record voice memos, add users, omit/shunt zones, view log information, test the system, configure the system and switch devices (outputs) on or off.

You can find full details of the user options in the i-on Style Administration and User Manual.

Ability to omit zones

You can omit a zone before setting the system (see page 10). Omitting a zone temporarily excludes it from setting.

You may want to omit a zone to prevent false alarms if, for example, the area it protects is going to be occupied while the rest of the system is set.

Full logging

The control unit logs all actions, alarms and alerts. You can review the logged events through the User menu.

Jamming and tamper monitoring

i-on Style uses advanced techniques to protect your system continuously against possible jamming or tamper attacks.

Comprehensive test options

The User menu contains a comprehensive set of options that you can use to test the system or to determine the owner of a device such as a proximity tag or remote control.

Using i-on Style

This section describes typical tasks that you may need to carry out from time to time once the system is set up.

Note: For further information about these and other tasks, please refer to the i-on Style Administration and User Manual.

Control unit keypad

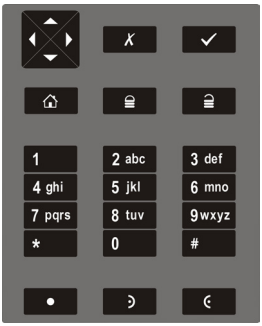


Figure 2. Control unit keypad

The keys have the following functions:

Navigation key:

▲ Scrolls up, or moves the cursor left.

▼ Scrolls down, or moves the cursor right.

▶ Changes the value, displays further information, or inserts a space.

◀ Changes the value, or deletes the character to the left.

The key glows red or green to indicate system status (green = normal; red = alarm/fault).

Pressing this key gives you access to the user menu when the standby screen is displayed (see page 9). At other times, the key exits an option or cancels a change.

Confirms an action, such as selection of an option or acknowledgement of an alarm.

Carries out a full system set.

Carries out a full system unset.

Hot key: The installer can configure this key to generate a "Medical "alarm or "Social Care" alert.

A Hold Up Alarm (HUA) is started when both of these keys are pressed (if enabled by the installer).

About the standby screen

When the system is idle (either while set or unset), the display shows the "standby screen". For example:

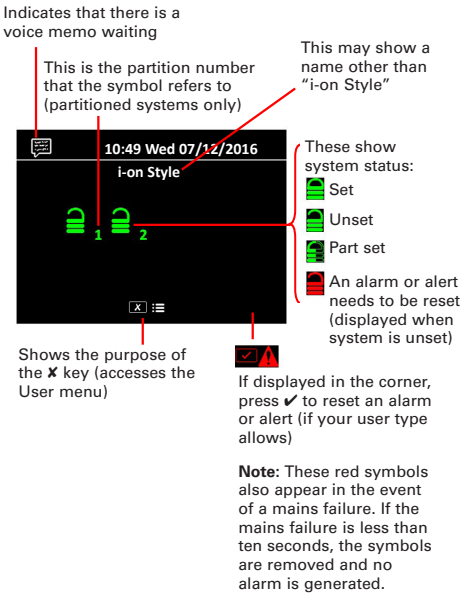


Figure 3. Standby Screen

Setting the system

Readying the system to start an alarm if someone moves into a protected area is called "setting" the system.

You can set your system using a variety of different methods, depending on system configuration. The following explains a typical method using the control unit.

Note: Please refer to the Administration and User Manual for full details.

1. Enter your access code or present your proximity tag at the control unit. If you enter your access code, the display shows a O for each completed digit:

2. Setting options are displayed. For example:

3. Press ▲ or ▼ followed by ✔ to choose the option you require:
   - *Full Set* (part-setting system only): To set the whole system.
   - *Part Set B\C\D* (part-setting system only): To set part set B, C or D only.
   - *Full Set All* (partitioned system only): To set all partitions fully. This is available only if all partitions are currently unset.
   - *Part Set All* (partitioned system only): To part set all partitions.
   - *Partitions* (partitioned system only): To choose the partition(s) to set, and whether to full set or part set those partitions. The display shows the partitions that you have access to, and their current state:

"U" = unset
"P" = part set
"S" = set

Press ▲ or ▼ to highlight the partition, then ▶ or ◀ to select the change you want:

"U>S" = change unset to full set
"U>P" = change unset to part set
"S>U" = change full set to unset
"P>U" = change part set to unset

If required, choose to change the state of other partitions, and press ✔ to continue.

4. You will hear a continuous exit tone (unless the system is configured for silent or instant setting).

   The system sets when one of the following occurs, depending on how the system is configured:
   - Immediately.
   - After a period of time.
   - When you have exited the premises and either pressed an exit-terminate button, closed the final door or operated a lock.

Unsetting the system

Disarming the system so that people can move freely is called "unsetting" the system.

To unset the system from the control unit:

1. Enter through the designated entry route. Do not stray from this route – you may cause an alarm.

2. If you hear a tone, go directly to the control unit, since you will have limited time to unset the system before it generates an alarm.

3. Enter your access code or present your proximity tag.

4. If you are using a partitioned system:
   a. The display shows the partitions that you have access to and their current state, as shown next.

"U" = unset
"P" = part set
"S" = set

b) Press ▲ or ▼ to highlight the partition, then ▶ or ◀ to select the change you want:

"U>P" = change unset to part set
"U>S" = change unset to full set
"S>U" = change full set to unset
"P>U" = change part set to unset

c) Repeat step b) as required.

d) Press ✔.

Managing alarms

If there is an alarm, you will need to silence the sirens and sounders (if they are still running), acknowledge the cause of the alarm and reset the system.

Note: Please refer to the Administration and User Manual for full details.

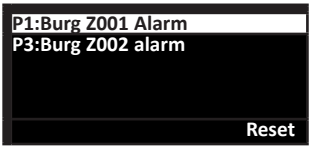
To silence, acknowledge and reset an alarm:

1. Make sure that it is safe to enter the premises.

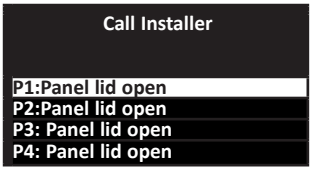
2. Enter your access code or present your proximity tag in the normal way. This silences the alarm (if the sirens and sounders are still operating).

   Note: In a partitioned system, you can silence, acknowledge and reset an alarm only if it has been caused in a partition to which you have access.

3. The navigation key glows red and the display shows the alarm(s). For example:



OR:



P1, P2, P3 and P4 are the partition numbers. If applicable, the display alternates between showing the zone number and name.

4. If you see "Reset" in the bottom-right corner (see above):
   - Press ✔ – this acknowledges the alarm and resets the system. The system returns to standby and is ready to set again. The navigation key returns to its normal (green) state.

   If you see "Call Installer" or "Call ARC" at the top of the screen:
   - Press ✔ – this acknowledges the alarm, but you will need to call the installer or ARC to reset the system. Although the system is not reset, you will still be able to set and unset the system normally. The navigation key and applicable set/unset icons stay red until the alarm is reset.

Accessing the User menu

The User menu gives access to user options such as to omit zones, view log information and add new users. The range of options available to you depends on your user type (privileges).

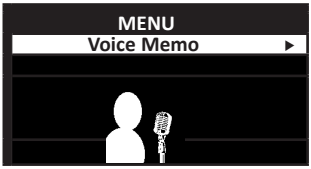
To access the User menu:

1. Make sure the display shows the standby screen.

2. Press ✘ (important).

3. Enter your user code:

The first option is displayed:



Press ▲ or ▼ to scroll through the options, followed by ✔ to select the option you require. The options are fully documented in the Administration and User Manual.

4. To leave the menu and return to the standby screen, press ✘ (if necessary several times).

Omitting zones

Omitting a zone prevents it from generating an alarm if the zone is triggered while the system is set. You may, for example, want to omit a zone that protects a garage to enable access without causing an alarm while the system is set.

Note: The zone returns to normal operation when the system is unset.

Note: You can omit only those zones that the installer has specified can be omitted.

To omit zones:

1. Access the User menu, as described in the previous section.

2. Select the *Omit Zones* option. The display lists the zones you can omit:

An "O" is displayed at the end of the line if the zone is Omitted. An "I" is displayed if the zone is Included.

3. Press ▲ or ▼ to display the zone you wish to omit, then ▶ to mark it for omission. Press ▶ again if you made a mistake and want the zone to be included.

   Repeat this step for any other zones you wish to omit (or change to be included).

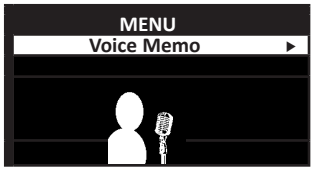
4. Press ✔ to store changes.

Recording and playing a voice memo

You can record a voice memo for any user to play back. The memo can be played back at any time when unsetting the system, or from the User menu.

To record a memo:

1. Access the User menu, as described earlier in this guide. The following is displayed:



2. Press ✔ to display:

3. Press ✔ to select *Record Message*.

4. Record your memo, and press ✘ when finished.

To play back a message:

- Choose *Play Message* from the Voice Memo menu (see above).

  OR:

- When unsetting the system, choose to play the message when prompted.

NOTES:

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