

## Security & Control System



5 Year **Warranty**

New Zealand Designed & Manufactured  
**Built In Web Browser Interface**

Wired & Wireless Passive Infrared  
& Microwave Sensors



Wired & Wireless Outdoor  
Sensors & Perimeter Beams



Proximity Reader/Keypads



Remote Pendants for Arm/Disarm & Control

USB card/tag reader for simple  
access control management



- Supports up to 32 programmable outputs for garage doors, gates, lighting, heating & more
- One ESX system can be divided into '32 individual alarms' for multi tenancies, commercial premises & storage lock ups
- 32 time schedules for automatic operation or restrictions
- Up to 64 hardwired and/or wireless sensor inputs
- Supports up to 2000 swipe tags and/or keypad codes for simple arm/disarm and control functions
- Supports up to 1900 keyring remote buttons for arm/disarm and control
- Built in dialler for land line monitoring
- Built in Ethernet for IP monitoring
- The ESX Security system stores up to 10,000 security & control functions for recall purposes
- Upgradable to 32 door access control
- Supports monitored smoke detection



## Warranty

Elite Control offer a 5 year return to base warranty on all New Zealand manufactured products. All other accessories carry a 2 year warranty

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## ***Arming your system:***

Enter your code followed by the 'ENTER' button

## ***Disarming your system:***

Enter your code followed by the 'ENTER' button

## ***Clearing your code if you have made an error:***

Pressing the 'ENTER' button will clear your previous entry and allow you to re-enter your code

## ***Stay arming your system:***

Press the 'STAY' button

## ***Disarming stay mode on your system:***

Enter your code followed by the 'ENTER' button

## ***System faults:***

Press the 'MEM' button. Your keypad will display any current faults

## ***History:***

Press the 'MEM' button. Your system will display any current faults. Every time you press 'MEM' after this your keypad will step back through its history from newest to oldest. Your system holds up to 10,000 history events

## ***Control:***

Press the 'CONTROL' button for 2 seconds, then press the output number your installer has configured for you to control. Press 'ENTER' to exit to the main screen. Single press mode may also be configured. See control page for more information

## ***Sensor disable:***

Press the 'BYPASS' button, then the sensor you wish to disable, followed by 'ENTER' i.e. 'BYPASS' 02 'ENTER'. This will disable sensor 2. 'BYPASS' 34 'ENTER will disable sensor 34. Repeat these steps to reinstate bypassed sensors. Alternatively sensors will reinstate when the system is armed and disarmed again



Quick Arm

ARM

Memory/History

MEM

Quick Stay Arm

STAY

Sensor Bypass

BYPASS

Numeric keypad for Arm/Disarm & programming

1 2 abc 3 def  
4 ghi 5 jkl 6 mno  
7 pqr 8 stu 9 vwx  
PROG 0 yz ENTER

Custom Arm

A

Custom Arm

B +

Chime On/Off

CHIME +

Control Function

CONTROL

Scroll Buttons for navigating memory & Program Functions



Security & Control

Your ESX security & control system is packed full of features to help secure your assets & streamline your busy schedule.

Functions such as arm/disarm/control, monitoring & alerts can easily be configured by an experienced security installer to suit your requirements.

Should you wish to customise or expand your ESX security system, or for accessory enquiries, contact your installer

## Arm/Disarm

**The ESX arm functions are configured in installer programming and can relate to up to 32 independant areas. Each ESX system will differ relating to how your installer has configured the system. The instructions on this page are based on your code being assigned to one area only. See 'Areas' on page 09 for multiple area arm/disarm**

### **Quick Arm:**

Press the 'ARM' button on your keypad - Your keypad will start its exit beeps & display the areas that your code is assigned to arm. Once the exit beeps stop these areas are armed. The keypad will continue to display the areas that are armed until the system is disarmed.

### **Arm:**

Enter your code followed by the 'ENTER' button - Your keypad will start its exit beeps & scroll through the areas that your code is assigned to arm. Once the exit beeps stop these areas are armed. The keypad will continue to display the areas that are armed until the system is disarmed.

**Areas Armed  
Warehouse**

**Areas Armed  
Store**

### **Quick Disarm:**

You can quickly disarm the system by pressing the 'ARM' button during the exit beep time. Once the exit beep time has expired the system requires your code followed by the 'ENTER' button to disarm.

### **Disarm:**

Enter your code followed by the 'ENTER' button. The area/areas that your code is assigned to will now be disarmed.

**Note: This function may differ if your code is assigned to multiple areas. See pg10**

**Stay Arm is designed for arming part of a premises while you are occupying another. I.e. Arming the lower level of a house but not the upstairs bedrooms, arming a separate garage & not the house or arming the shop front of a 'live in business'.**

**Your installer can program the ESX security system to have any sensor in any of the ESX areas to be stay (part arm) or arm (full arm) to suit your specific requirements. Contact your installer for further information & custom stay programming**

### **Quick Stay Arm:**

Press the 'STAY' button on your keypad - Your keypad will start its exit beeps & display stay in red on the keypad. Once the exit beeps stop the sensors your 'STAY' button have been assigned to will be armed. The keypad will continue to display 'STAY' in red until the stay function is disarmed by a code or the 'STAY' button (optional/programmable)

### **Quick Stay Disarm:**

After pressing the 'STAY' button you can quickly disarm stay mode by pressing the 'STAY' button during the exit beep time. Once the exit beep time has expired the system requires your code followed by the 'ENTER' button to disarm. See below for variations to this method

### **Custom Stay Programming:**

Stay arm requirements differ in almost every application and therefore requires special programming by a security installer.

### **Stay Arm User Options:**

- Keypad 'STAY' button can arm and disarm stay mode
- Keypad 'STAY' button can arm stay mode but a code is required to disarm
- A code is required to both arm & disarm stay mode.

The Stay mode user settings above can be programmed to work on specific keypads within the premises. I.e. If you have one entrance keypad & one bedroom keypad, the entrance keypad can be programmed to require a code to disarm stay & the bedroom keypad can more simply disarm stay using the 'STAY' button.

The ESX supports up to 32 keypads



**STAY**



The sensor bypass function is used to temporarily disable one or multiple sensors prior to arming your ESX system. This function is best utilised if you wish to keep active/large pets in one area of a house, business or apartment

Sensor bypass will only work for one arm cycle. I.e. If you bypass (disable) one or multiple sensors, arm the system, then disarm the system, your sensor will automatically become active again. Note: Smoke/heat detectors will remain disabled until manually restored (see below)

### Bypassing a Sensor:

Press the 'BYPASS' button followed by the sensors you wish to turn off, then 'Enter'. I.e. 'BYPASS' 01, 03, 22 followed by the 'ENTER' button. You can toggle each sensor on or off while the screen below is displaying. Press enter to confirm & return to the home screen.



Bypass  
01 03 22

Bypass will continue to flash until all sensors are manually turned back on, or the system is armed and disarmed

**BYPASS**

### Reactivating Bypassed Sensors:

Press the 'BYPASS' button followed the bypassed sensors displayed on the screen. I.e. If you press the 'BYPASS' button and sensors 01, 03 & 22 are showing, press 01, 03, 22 'ENTER' to reactivate all three sensors. Alternatively arm the system, then disarm the system and the sensors will restore providing they are not smoke or heat sensors

**Note: The Bypass function can be programmed by an installer to require a code**

## Control Button

Press & hold the 'CONTROL' button until you hear a beep & the keypad displays 'Output Control'. Here you can operate functions such as doors, gates & lights by toggling on or off numbers 01 to 32 followed by the 'ENTER' button. If a control output is programmed to operate a device by your installer it will appear on the screen, if the number has not been configured it will not appear.

I.e. 'CONTROL' 03, 08, 31 'ENTER' could open a gate, a garage door and turn on a light.



Output Control  
--3-----8-----  
-----

Alternatively your installer can program the 'CONTROL' button to operate one or multiple functions with a single press of the 'CONTROL' button

The ESX security & control system can be divided into 32 independant alarm systems which are commonly known as areas or partitions. There are several ways of arming/disarming these areas which are configured by your installer to suit your requirements


**Common Area Arming Options:** (This will vary depending on installer set up)

- One user code to arm & disarm all areas assigned to that specific code
- Separate user codes to arm & disarm each independant area
- 'ARM' button on keypad to arm single or multiple areas

**Selective Area Arm:** (Must be pre configured by your installer)

Press the 'ARM' button followed by your user code & then 'ENTER'. The keypad will now display the areas that your code is assigned to. At this point you can press 'ENTER' again and all displayed areas will arm. Alternatively you can deselect the areas you wish to remain disarmed followed by the 'ENTER' button. All areas remaining on the screen will arm.

**Note:** The system will arm displayed areas automatically after 10 seconds if the screen below is left unactioned by the 'ENTER' button.



Areas to arm  
01 >02< 03 04 05  
Reception

Use the left and right arrows on the keypad to navigate to the desired area. The name of the selected area will be displayed at the bottom of the screen.

Pressing the 'ARM' button at this point will select or deselect the highlighted area. If the area is left highlighted it will arm, if it is deselected it will not arm.

Press the 'ENTER' button to confirm, or the highlighted areas will arm after 10 seconds of inactivity

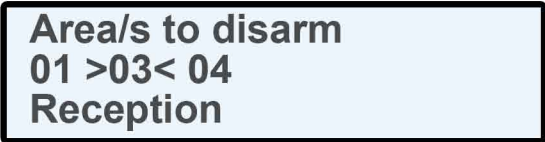
## Selective Area Disarm:

**Disarming selective area arm is slightly different to when your user code is only assigned to one area. See below:**

Enter your user code followed by the 'ENTER' button. The keypad will now display the areas that are armed. If you press 'ENTER' again at this point all displayed areas will disarm.

To disarm selected areas enter your user code followed by the 'ENTER' button. The keypad will display the areas that are armed. Simply deselect the areas that you wish to remain armed followed by the 'ENTER' button.

**Note: The system will disarm displayed areas automatically after 10 seconds if the screen below is left unactioned by the 'ENTER' button.**



**Area/s to disarm**  
**01 >03< 04**  
**Reception**

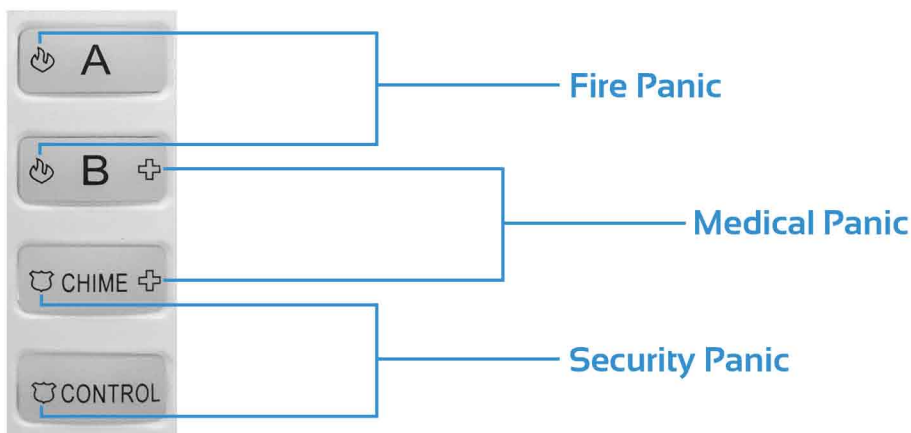
Use the left and right arrows on the keypad to navigate to the desired area. The name of the selected area will be displayed at the bottom of the screen.

Pressing the 'ARM' button at this point will select or deselect the highlighted area. If the area is left highlighted it will disarm, if it is deselected it will remain armed.

Press the 'ENTER' button to confirm, or the highlighted areas will disarm after 10 seconds of inactivity

There are 3 panic functions which can be utilised from any of the ESX keypads (Panic, Fire & Medical). These are not configured by default, consult your installer to activate these functions.

To activate a panic function you must press the 2 related symbols simultaneously & hold. See buttons below:



## Chime Zones

**Note:** This function must be pre programmed by your installer to operate

The ESX security & control system can use your existing sensors to create entry alerts. These can be audible beeps through your alarm keypad or “bing bong” chimes through a separate siren/chime. When chime is on these alerts are active. If chime is off the alerts are disabled.

Press and hold the ‘CHIME’ button until you hear a beep. This button will toggle the chime function on and off. If the chime function is off the keypad will display ‘Chime OFF’ (see below). If the chime function is on (or not configured by your installer) the keypad will display the home screen as per normal.

**Chime OFF**

**Note: You must be in Client program mode to make any changes to the system**

### Getting Into Program Mode:

Press the 'PROG' button followed by your user code, then press 'ENTER'. The Keypad should display 'Client: USERS'. If your code is not allowed to access 'Client USERS', or you have entered the incorrect code, the keypad display will remain on the home screen.

I.e. 'PROG' 123 'ENTER' (123 is the default user code) or you must use the assigned user code programmed by your installer, or the previous premises owner.



**Client: USERS**

### Exiting Program Mode:

Press the 'PROG' button. The display should read <ENTER> to exit. Now press 'ENTER'. The keypad should return to the home screen.



**<ENTER> to exit**

### Adding/Changing User Codes:

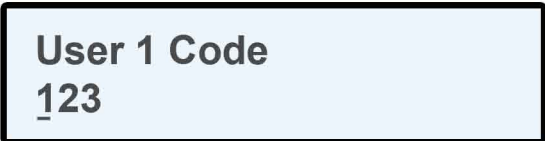
Enter program mode (see above).

The ESX security system supports up to 2000 user codes. Each user code is in a slot from 1 to 2000. User codes program as follows:

### User number that you are changing from 1 to 2000 (user code 1 in this example)

Press 'PROG' 1 'ENTER' 1 'ENTER'. The keypad will display the user code you are changing (see image below) or nothing if the user slot is empty. You may now enter a new code from 1 - 6 digits long, followed by the 'ENTER' button.

**Note: This function will only work if your user code is permitted to make changes.**



**User 1 Code**  
**123**

I.e. To change user code 99 press 'PROG' 1 'ENTER' 99 'ENTER', new code 'ENTER'  
To change user code 1054 press 'PROG' 1 'ENTER' 1054 'ENTER', new code 'ENTER'

**If you make a mistake, simply start the sequence again. I.e. 'PROG' 1 'ENTER' 1 'ENTER'**

**Adding/Changing User Codes Continued:**

When the keypad is displaying the User Code screen (as displayed below) you can use the left & right arrows to scroll to the previous or next user slot. When you get to the desired user slot, enter the new code followed by the 'ENTER' button. This will overwrite the old code and save the new one.

**User 1 Code**  
123

**Time, Day & Date:**

Enter Client Programming before proceeding (see previous page)

**Time Programming:**

Press 'PROG' 26 'ENTER' 1 'ENTER. The keypad will now display the time. Enter the current 24 hour time followed by the 'ENTER' button. The time is now changed.

**Time HH:MM**  
15:18

**Date Programming:**

Press 'PROG' 26 'ENTER' 3 'ENTER. The keypad will now display the date. Enter the current date in the format DD/MM/YY followed by the 'ENTER' button. The date is now changed.

**Date DDMMYY**  
170717

**Internet Time:**

Time & date can also be automatically set using the 'online time server' option if enabled by your installer

The 'TROUBLE' light on the keypad will illuminate if there are any alerts or faults present. Press the 'MEM' (memory) button once, this will display the type of fault to help diagnose the issue. You will likely need to contact your installer if the problem persists. Press the 'ENTER' button to return to the home screen.

Below is an example of mains power loss

**Current Faults**  
**System AC Fail**

## History/Memory

The ESX security system stores more than 10,000 history events in a memory buffer for recall purposes. When the buffer is full the system will start to write over the events from old to new. History recall is a very useful tool for security, data collection & fault finding as almost every action the system performs is documented.

Each history event includes a time/date stamp & allows you to recall the following & more:

- Who armed the system
- Who disarmed the system
- Sensor activations
- Which access controlled doors were entered
- Mains power failures
- Back up battery failures
- Panic alarms

Examples below:

**Zone Activated**  
**Kitchen Sensor**

**Open by User**  
**Thu 13-JUL-17      15:43**

[See following page for instruction on how to view the memory](#)

**Zone Activated  
Kitchen Sensor**

**Open by User  
Thu 13-JUL-17 15:43**

Press the 'MEM' button and the keypad will display any system faults as described on the previous page. Every time the 'MEM' button is pressed after this you will step through the 10,000 history events from latest to oldest.

Note: The keypad will time out to the main screen after 60 seconds of inactivity. To continue viewing the history events you will have to start the steps again from the beginning of this paragraph.

Once in memory mode you may scroll through the memory using the up and down arrows on the keypad.

**The up arrow (MEM button) will take you to an older history event with each press.**

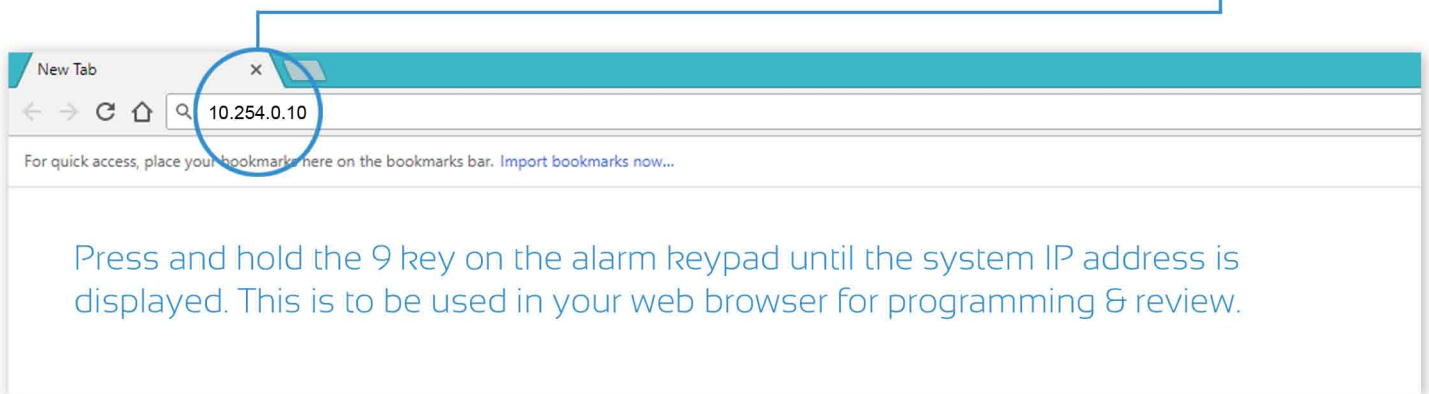
**The down arrow will take you to a newer history event with each press.**



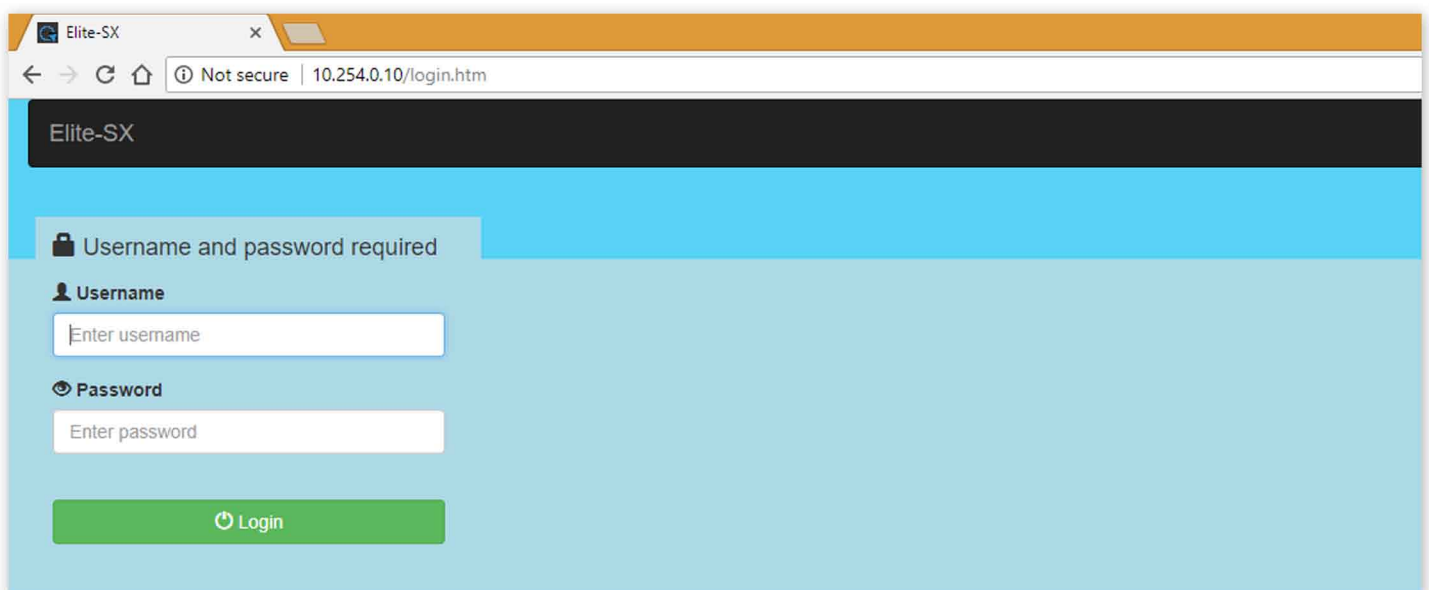
The ESX built in web browser is a useful tool for controlling your system, viewing history, fault finding & configuring functions such as access control or user permissions. Ask your installer about web connectivity if this is not already utilised at your premises.

## Logging in to your ESX system

Open a web browser on your computer (as shown below) & enter the IP address of your system as supplied by your installer



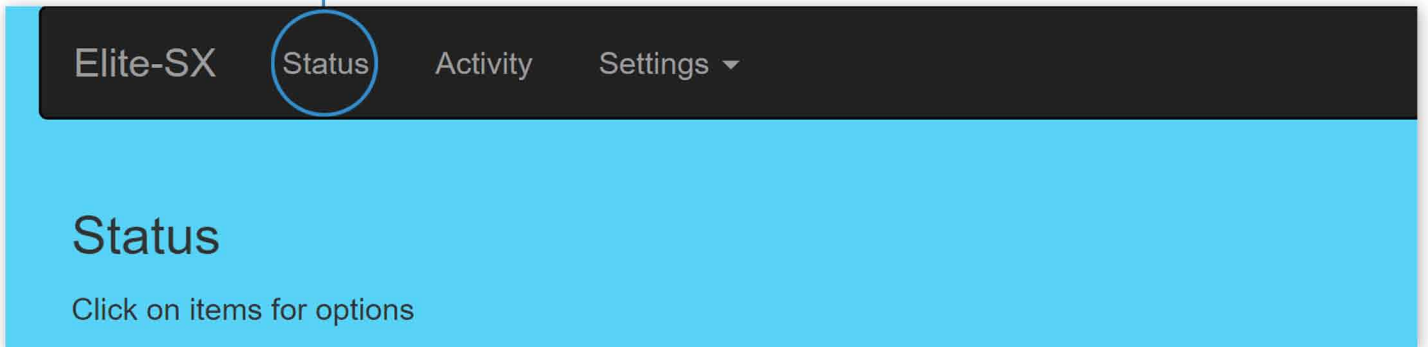
If your system is configured correctly the page below will load. Enter your user name and password, then click the 'Login' button



**Default user name: User 1**

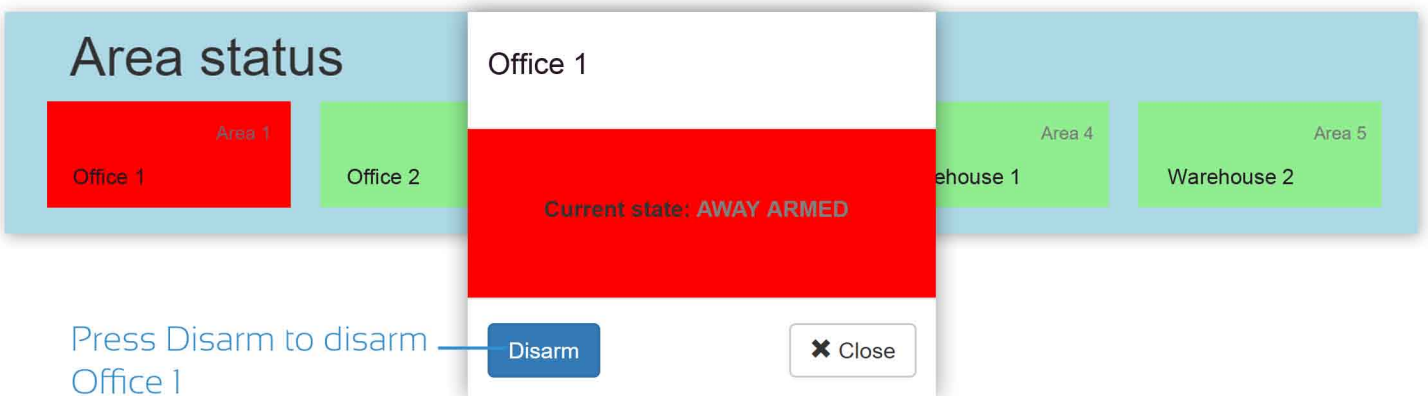
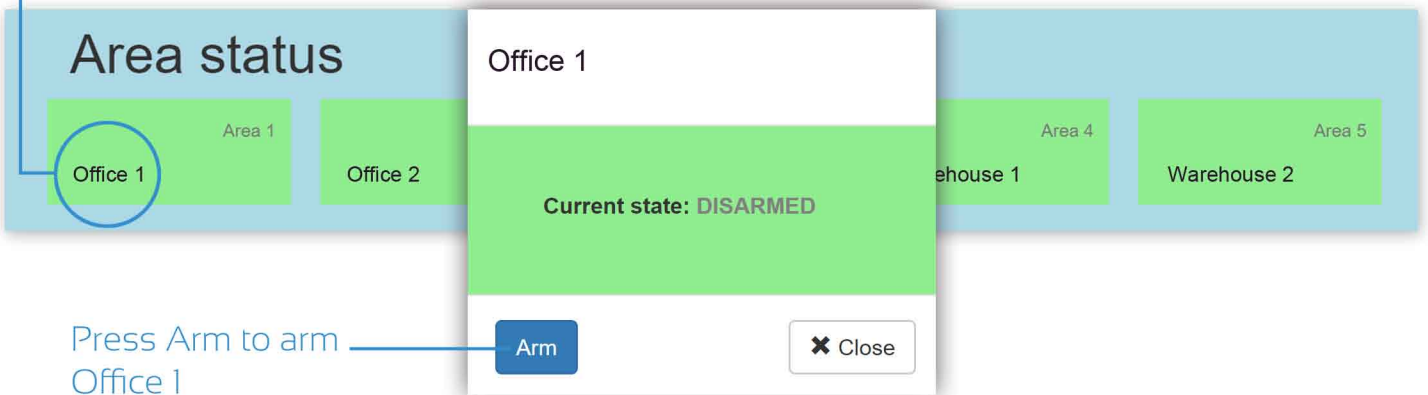
**Default password: 123**

Arm/disarm, control & sensor status are found in the status tab of the web browser



**Area Arm/Disarm Via Web Browser:**

Click the area you wish to arm/disarm, this will open the page below. Here you can view the arm/disarm status of the area & arm/disarm the area. If your user log in is not assigned to the area it will not display within the web browser



The status tab of the web browser also contains the control function of your ESX system. This is useful for remote or local control of functions such as automated doors, gates, lighting, heating & more.

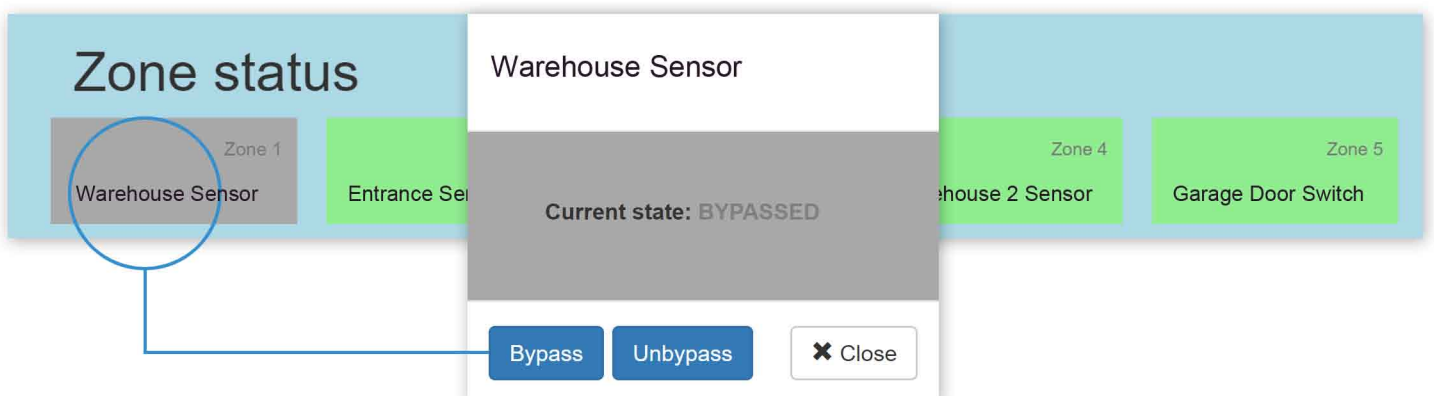
Click on the output you wish to control (as displayed below) to operate the function you wish to operate. Note: This is pre configured by your installer to suit your requirements



## Web Browser Sensor Bypass

The sensor bypass function is used to temporarily disable one or multiple sensors prior to arming your ESX system.

When the ESX system is armed, then disarmed, these sensors will become active again. I.e. The 'Warehouse Sensor' shown below is currently inactive for this arm cycle

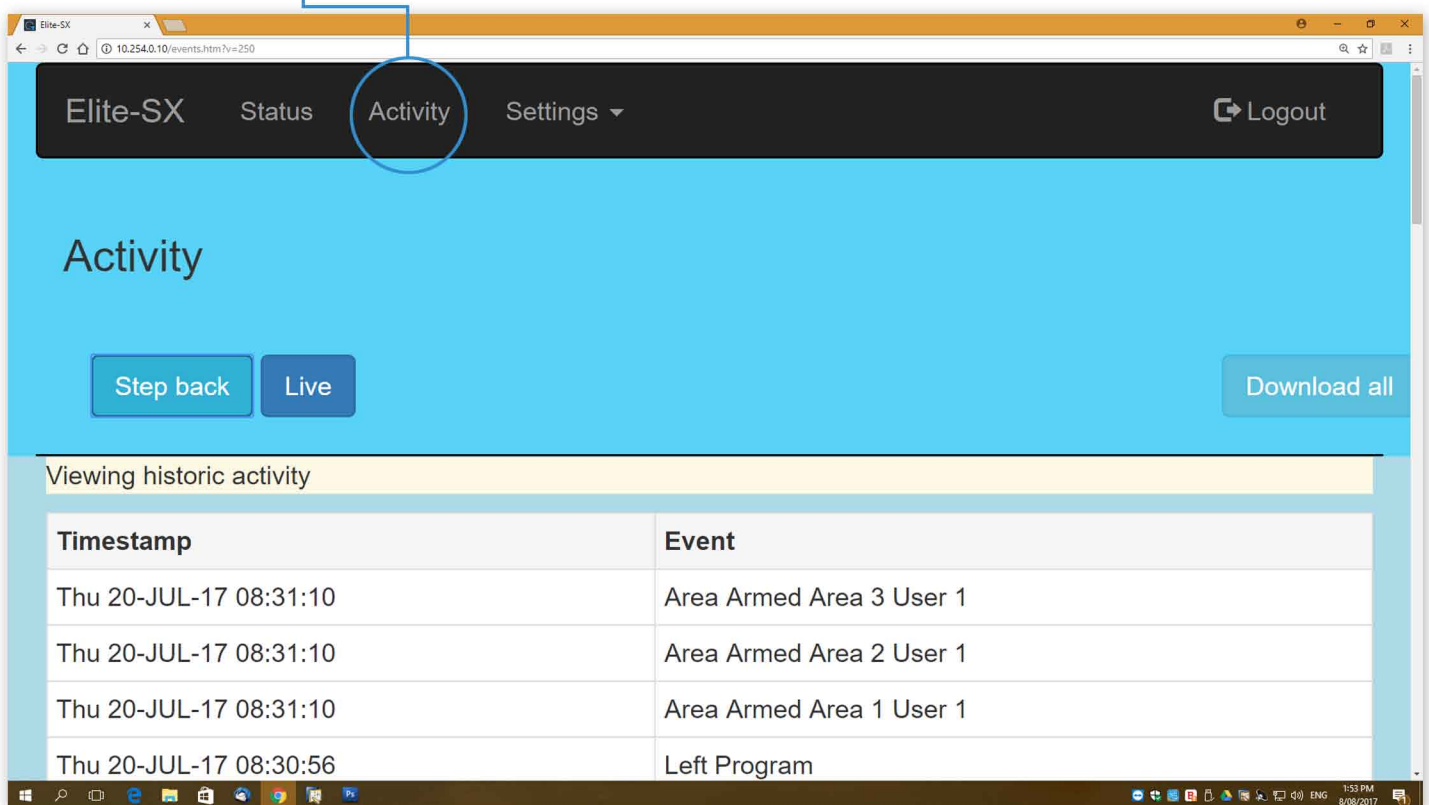


Note: Sensors are shown in green when in an idle state or yellow when in operation

Your ESX security & control system stores up to 10,000 events for history recall.

Each history event is recorded with a time and date stamp in order of latest to oldest, including which user has performed the function. These include arm/disarm, sensor activations, when a door/gate/keypad has been used and more.

Click the **Activity** tab to access the history as shown below:



The screenshot shows the Elite-SX web interface. The navigation bar at the top contains 'Elite-SX', 'Status', 'Activity', 'Settings', and 'Logout'. The 'Activity' tab is highlighted with a blue circle. Below the navigation bar, the 'Activity' section is displayed with 'Step back', 'Live', and 'Download all' buttons. A table titled 'Viewing historic activity' shows the following data:

Timestamp	Event
Thu 20-JUL-17 08:31:10	Area Armed Area 3 User 1
Thu 20-JUL-17 08:31:10	Area Armed Area 2 User 1
Thu 20-JUL-17 08:31:10	Area Armed Area 1 User 1
Thu 20-JUL-17 08:30:56	Left Program

**The Activity tab will not be visible if your user number is not permitted to see it. This is to be configured by your installer**

## Settings

The Settings tab is for ESX programming and will only be available if your user number is permitted to see it.

**Contact your installer for permission/training on the ESX settings programming**

Simply manage user codes and proximity tags/cards from your computer whether you are on site or working remotely. To open the 'Users' page click on the 'Settings' button, then select 'Users' as displayed below.

**Note: You will not be able access the settings section if your user code does not have authority. Settings authority is configured by your installer**

The screenshot shows a web browser window with the URL `10.254.0.10/user.htm?v=268`. The page title is "Elite-SX" and the navigation menu includes "Status", "Activity", and "Settings". The main heading is "User edit". Below the heading, there is a "User number:" field with the value "1" and buttons for "Read", "Save", "Prev", "Next", and "User Listing". The form contains the following fields:

Name	John Smith
Type	Prox Tag
Pin	123
Tag	0010344756

Blue lines connect the labels "User Name", "User Type", "User Code", and "Proximity Tag/Card ID" to their respective fields in the form. A blue proximity tag with the ID "0010344756" is shown to the right of the form.

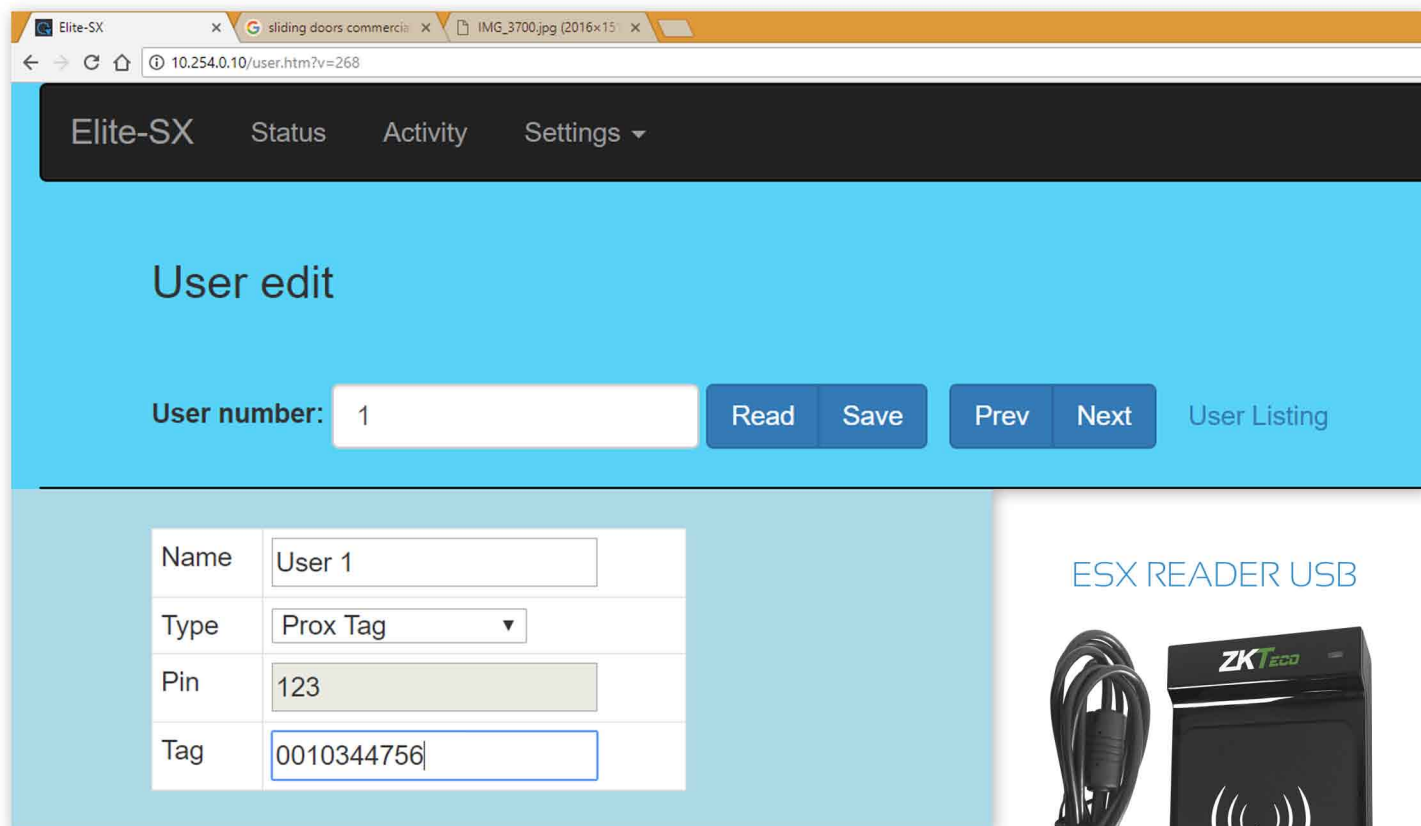
Name: Enter a custom user name

Type: Select a user type from the drop down list

Pin: Enter a user code from 1-6 digits long

Tag: Proximity tags & cards can be entered manually into the 'Tag' field

**See next page for our USB proximity reader**



ESX READER USB



The ESX READER USB is designed to streamline the addition of proximity tags & cards to the ESX system.

The ESX READER USB connects to your computer via your USB port. Open the ESX web browser and enter the user edit page displayed above. Change the user type to Prox Tag & click on the Tag field (a blue box should appear).

Swipe your tag over the ESX READER USB to automatically load the tag ID followed by the Save button to confirm





Arrowhead Alarm Products was established in 1986 with a philosophy to provide top quality security equipment with an emphasis on expert back up and support. The Elite security & control system is designed and manufactured in our purpose built facility located in Albany industrial park

On site we have a specialised team of software and hardware engineers complimented by our lead free high speed pick and place manufacturing plant and multi stage quality control system. Each and every product we manufacture is also tested in house. This start to finish process makes us so confident that we put a 5 year warranty on everything we build

Our exclusive on line technical support library and factory trained engineers provide unprecedented support for our loyal technicians



Domestic &  
Commercial