

CONFIGURING INSTRUCTIONS

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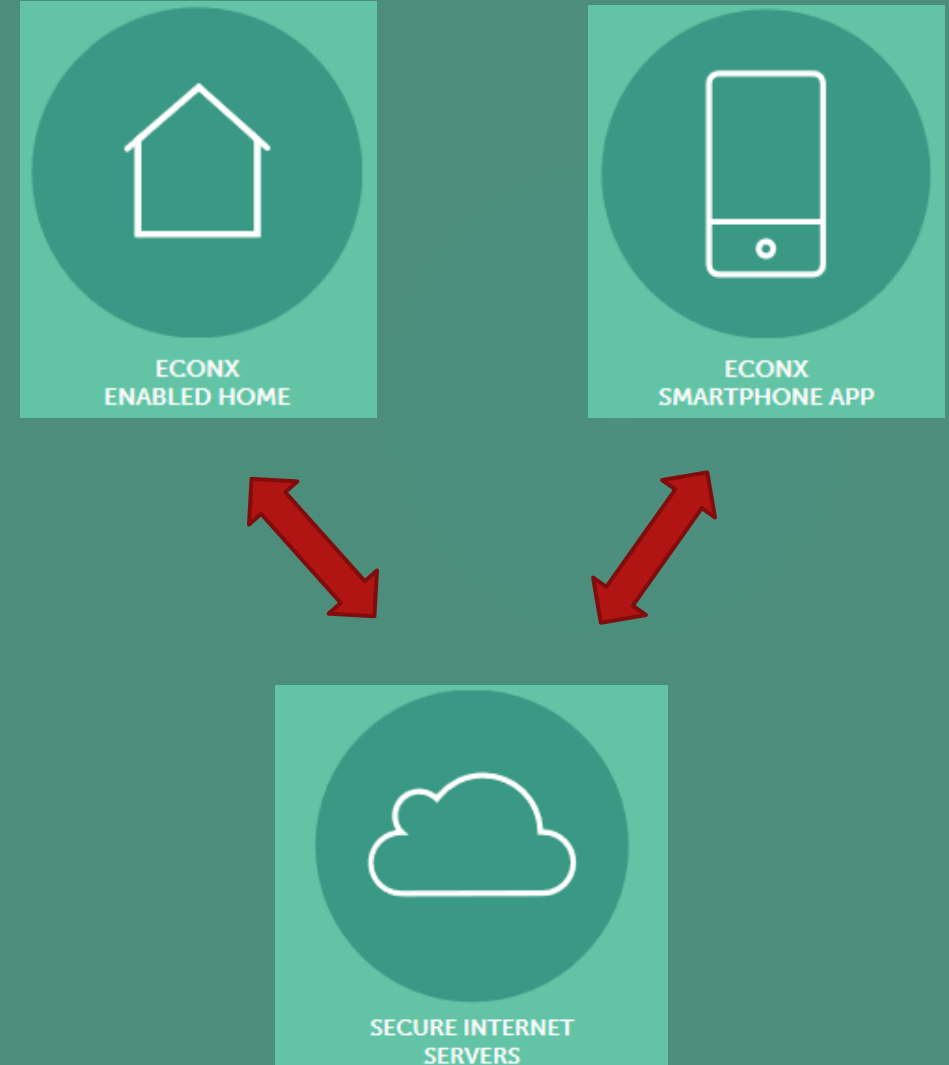
HOW ECONX WORKS

How Econx works.

Econx is connected to the internet and automatically creates a connection to the Econx Servers.

This connection is used for configuring the system, changing schedules and control of the home or office. If the internet connection is lost Econx will automatically reconnect, while disconnected all security, schedules and automation will continue to operate and any changes made online will automatically update when the connection is re-established.

New features are automatically added to your Econx



ECONX PROFILE

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Profiles – Accounts

Ideally every Econx user will have their own profile – Just like internet banking or social media accounts you require an email address, password and a PIN number. This is used to log into and control an Econx system. As this profile is used for access to properties your personal address and phone number is required.

Each Econx is owned by the 1st person that connects to it, installers can either set up a profile for the client and change passwords and PIN's later, or ADD to your own profile and contact us to change ownership when commissioning has been completed.

Econx profiles are **FREE**, only **ONE** profile is required to access **multiple Econx systems**. All access and actions are logged and viewable by the master users – this provides peace of mind for end users should they want to provide other users access.

MANAGE YOUR ECONX ACCOUNT

EDIT YOUR
PROFILE

CHANGE YOUR
ACCESS CODE

ADD A
NEW DEVICE

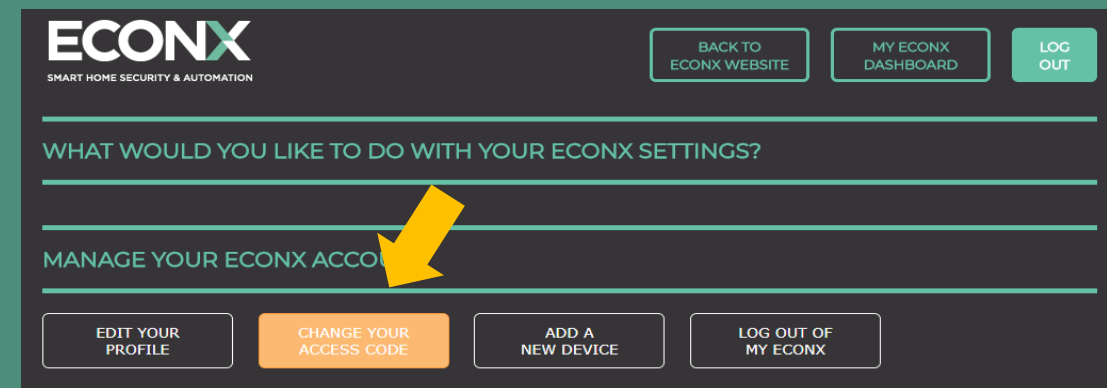
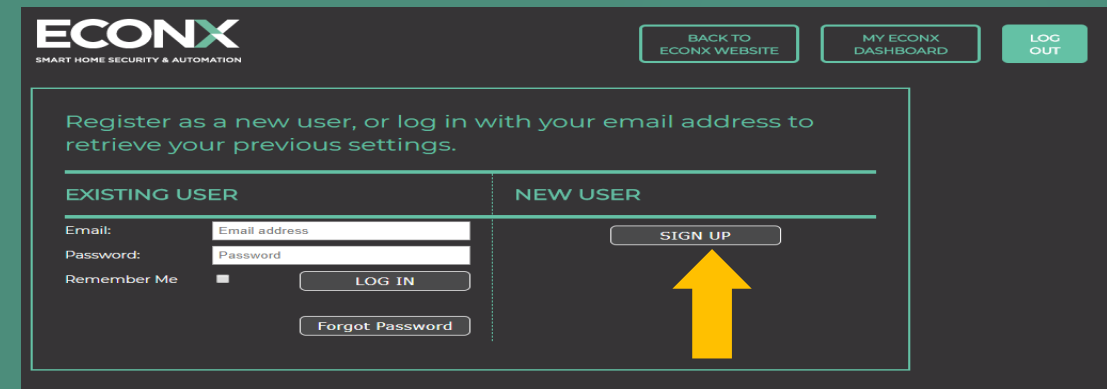
LOG OUT OF
MY ECONX

CREATE AN ECONX PROFILE

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An Econx profile can be created at anytime.

1. Go to www.econx.co.nz
2. Click [Manage my Econx](#)
3. Click [Sign Up](#) and complete both pages
4. Click [Go to Members Lounge](#)
5. Click [Change Your Access Code](#)
6. **YOU MUST CHANGE YOUR ACCESS CODE
0000 WILL NOT WORK**

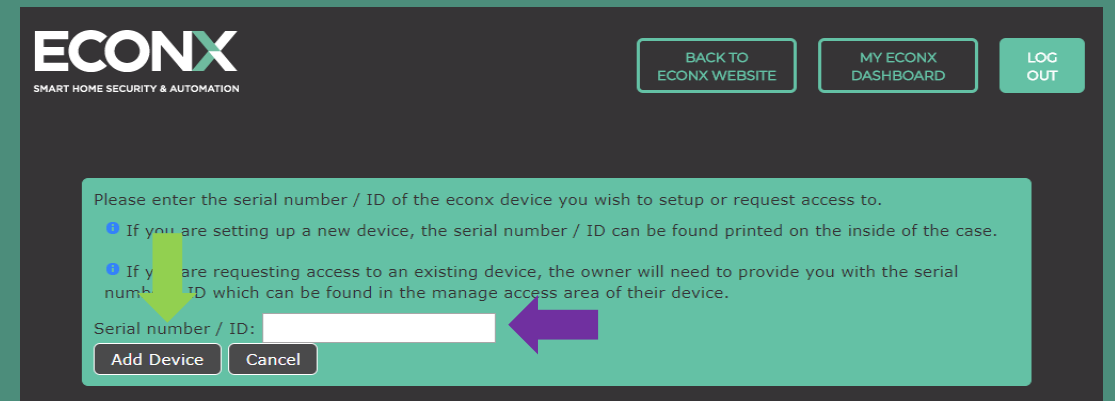
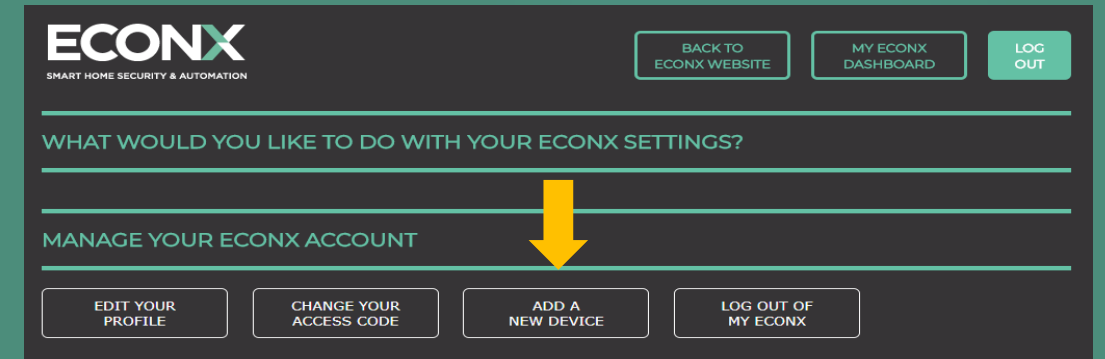


ADD DEVICE

Each Econx has a unique ID number 0004.....
This number is on the sticker inside the Econx unit

1. Click **Add Device**
2. **Enter ID number**
3. **Add Device.**

This will automatically take you to the configure section



SYSTEM NAME AND LOCATION

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Configure section – **Device Information**

Complete all fields

1. **Friendly name** - This appears on the App and Browser
2. **Region is important** as Econx recognises public holidays
3. **ICP number** is required for new automated power switching subject to price software
4. When complete **click Apply**

Device Information | Device Settings | Alarm Settings | Remotes / Key Fobs | Keypads | External Devices

Device serial number: 0004A393D45A

Friendly name for this device: Jack and Jill's Home

INSTALLATION ADDRESS

USE ADDRESS SEARCH

Full street address: 11 Uphill Street

Rural delivery / suburb: Waterview

City: Christchurch

Post code: 9999

Region: Canterbury

Closest main city: Christchurch

INSTALLER

Building company name: Jacks Construction

Name of electrician / installer company: NZ Electrical

Electrical COC number: 71789

Power connection ICP number: 000717853DNE25C

Save and close | Apply | Cancel

240V RELAY CONFIGURATION

Configuration section - **Device Settings Tab**

1. **Activate Relay** – Tick the Boxes of the relays you intend to use.

2. **Label Relays**

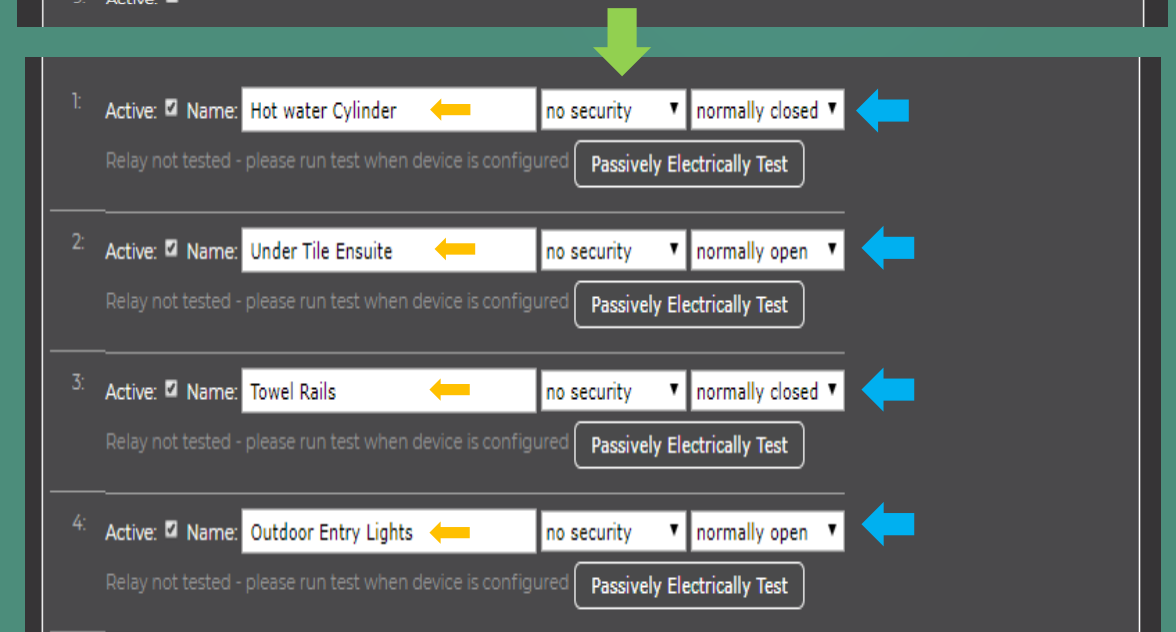
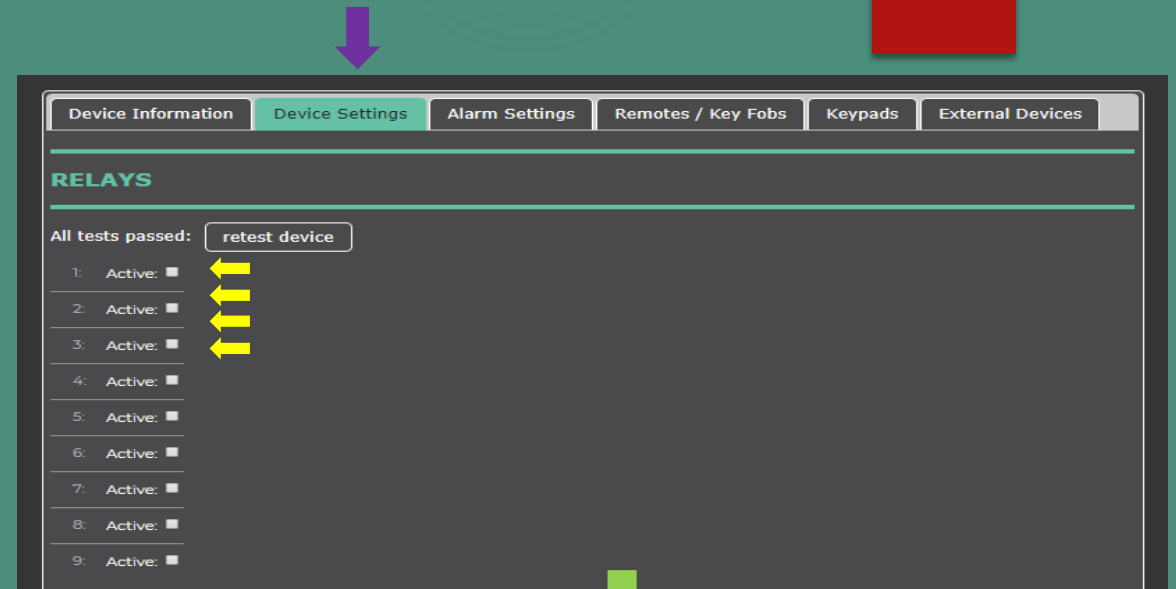
3. **Select normally closed or normally open**

We recommend N/C for Hot water, Heated Towel Rails. This will allow them to operate when Econx is turned off. (Fail to operate)

We recommend N/O for Under-tile heating, in -slab heating where Econx is providing zone control. If Econx is turned off loads will not continuously operate causing large power accounts.

N/O is recommended for lighting, this provides isolation when Econx is turn off. Manual operation would continue via light switch

4. **Optional – Add security**, by adding security you will be forcing the end user to enter a 4 Digit Pin to operate. This is typically used when operating lobby doors, gates or loads that require a level of authorisation.



240V RELAY - HOLIDAY MODE

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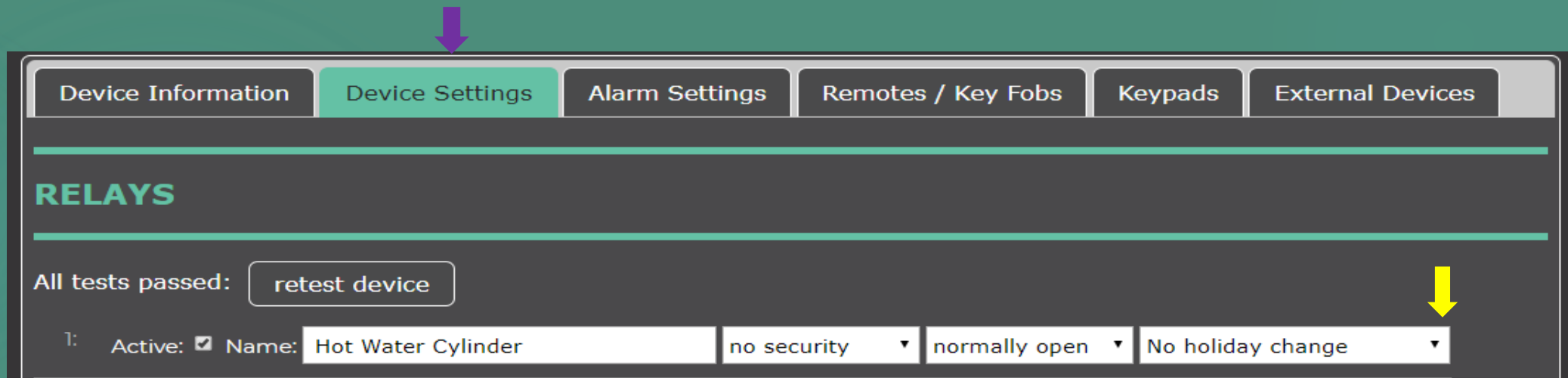
Two Options exist for Holiday mode.

Option 1 - When the button on app is pressed you can automate all or selected relays to turn On or Off.

Step 1 – Log in and select configure

Step 2 – Select **Device Settings**

Step 3 – Use drop box on RHS to **select preferred option.**



Option 2 – Pause and stop schedules when Holiday mode is selected. This option is available in the **Change your Schedules page**

Go to End User instructions – Page 10 for more details

MISCELLANEOUS CONFIGURATION

Configuration Section **Device Settings Tab** – Scroll down the page.

1. Click the drop box to select the wired item

Misc. 0 = Low Voltage Relay 0 and Input 0.

This automatically links reed switch's to doors and provides failure to close notifications

2. Label

3. Allocate run time. E.g. Mag Lock, Blinds & Windows

4. Add Relay trigger

This provides linking of doors & gates to lighting or ..

1. Click Add Relay Trigger

2. Click drop box to link to selected Relay

3. Click drop box to select time – E.G once door is closed lights will turn off after 1, 5 or 10minutes.

4. On when open circuit – This will leave lights On while a door or gate is open

5. Turn on only when dark – this will only allow lights to operate between dusk and dawn

The screenshot displays the 'MISC DEVICE' configuration page with several rows of settings. Yellow arrows point to the 'Type' and 'name' dropdowns at the top. A green arrow points to the 'Add relay trigger' button for device 0. Blue arrows point to the 'Total actuation time (seconds)' input fields for device 2 and device 5. A vertical list of numbers 2 through 5 is on the right side of the interface.

Device ID	Type	Name	Switch	Turn off after	On when open circuit	Turn on only when dark	Actuation Time (seconds)
0	Garage Door	Garage Door	Garage & Driveway Lights	5 minutes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
1	Garage Door	Drive Gate					
2	Mag Lock	Door lock	Outdoor Entry Lights	10 minutes	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5
3	-- No attached Misc dev						
4	-- No attached Misc dev						
5	Motorised blind up	Blind UP Living Room					15
pulse a / output 6	Motorised blind down	Blind Down Living Room					15
pulse b / output 7	-- No attached Misc dev						
pulse c / output 8	-- No attached Misc dev						

HEAT PUMP SELECTION

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Configuration section **Device Settings Tab** – Scroll down the page

1. Click drop box to select **REMOTE** model number **NOT** the heat pump model number
2. Label
3. Click Apply

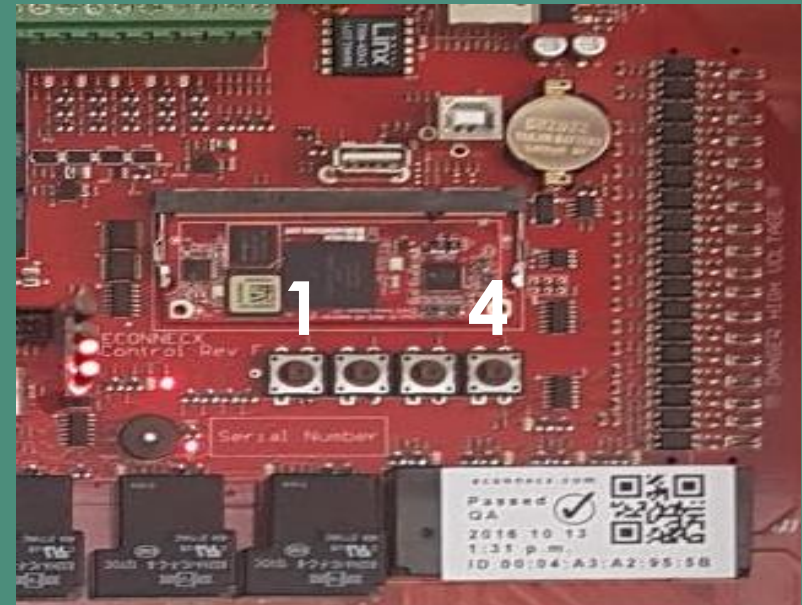
Testing – Fault finding

1. Should the model number not be listed you will need to test the IR is wired correctly before leaving site. Hold down buttons 1 and 4 for 10 seconds.
2. The IR emitter lights will start to flash
3. Go to the emitter on the heat pump, look at emitter through the camera on your phone. You should see the light flashing on and off if connected correctly. It is hard to see
4. After testing you will need to contact us to learn the codes, we will require the heat pump remote to capture codes.
5. Once learnt they will appear online – select remote

IR DEVICES

0:	Type: Fujitsu AR-RAH1E 2017 ▼	name: Heat Pump Living
1:	Type: Mitsubishi SG15C ▼	name: Heat Pump Bedrooms
2:	Type: -- No attached IR device -- ▼	
3:	Type: -- No attached IR device -- ▼	
4:	Type: -- No attached IR device -- ▼	

Buttons: Save and close, Apply, Cancel



SECURITY – PIR AND SMOKE CONFIGURATION

Configuration section **Alarm Settings Tab**

1. Use the drop box to select wired item. PIR or Smoke, Econx will learn the EOL resistance, If open circuit check wiring or ensure no motion in property. Smoke Zones are automatically configured for 24hour monitoring.
2. Label Zone
3. Allocate Entry and Exit Delays
4. Add Relay trigger

This provides linking of sensors to lighting or ..

1. Click Add Relay Trigger
2. Click drop box to link to Relay
3. Click drop box to select time – E.G after no motion lights will turn off after 1, 5 or 10minutes.
4. On when open circuit – This will leave lights On and reset timer every time motion is detected
5. Turn on only when dark – this will only allow switching to operate between dusk and dawn

The screenshot displays the 'Alarm Settings' tab in a configuration interface. At the top, there are navigation tabs: 'Device Information', 'Device Settings', 'Alarm Settings' (highlighted), 'Remotes / Key Fobs', 'Keypads', and 'External Devices'. Below these is the 'ATTACHED SENSORS' section, which lists several sensors with their configurations. A purple arrow points to the 'Alarm Settings' tab. Yellow arrows point to the 'Type' dropdowns for 'Smoke1' and 'Smoke2'. Blue arrows point to the 'entry delay' and 'exit delay' input fields for 'PIR1'. A green arrow points to the 'Add relay trigger' button for 'PIR1'. A numbered list on the right side of the interface (1-5) corresponds to the steps in the text: 1. 'Add relay trigger' button, 2. 'Switch' dropdown, 3. 'turn off after' dropdown, 4. 'on when open circuit' checkbox, 5. 'turn on only when dark' checkbox.

Sensor ID	Type	Name	EOL resistance	entry delay	exit delay	zone	Relay Trigger
Smoke1:	Smoke detector	Smoke Hallway	4.6k ohm				Add relay trigger
Smoke2:	Smoke detector	Smoke Guest Bedroom	4.7k ohm				Add relay trigger
Smoke3:	-- No attached Misc dev						
PIR1:	PIR	PIR Entry	4.7k ohm	20	20	House	Add relay trigger
PIR2:	PIR	PIR Garage	4.8k ohm	30	45	House	Add relay trigger
PIR3:	PIR	PIR Laundry	4.7k ohm	15	15	House	Add relay trigger
PIR4:	PIR	PIR Lounge	4.7k ohm	0	0	House	Add relay trigger
PIR5:	PIR	PIR Living	4.8k ohm	0	0	House	Add relay trigger

PARTITIONING

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Configuration Section - **Alarm Settings Tab**

Partitioning – Econx can be partitioned into 9 separate zones

1. **Click drop box to select Zone** This will provide partial arming of the alarm. E.G arm shed or living rooms and garage at night
2. **Label Zone**
3. **Cascade** This will ensure all zones are armed when main zone is set. E.G set house and the shed is automatically armed

The screenshot displays the 'Alarm Settings' configuration window. It is divided into several sections:

- Sensors:** A list of sensors including PIR5 (PIR Living), PIR6 (PIR Shed), PIR7 (DEVI Temperature sens Outside), PIR8 (DEVI Temperature sens Zach Bathroom), PIR9 (DEVI Temperature sens Ensuite), Key, Panic, Night, Tamper, Ain1 (DEVI Temperature sens Wall Hallway), and Ain2 (DEVI Temperature sens Floor Sensor). Each sensor has a 'Type' dropdown, a 'name' field, and an 'Add relay trigger' button. PIR5 and PIR6 have 'EOL resistance: 4.7k ohm', 'entry delay: 0', and 'exit delay: 0' fields. The 'zone' dropdown for PIR5 is set to 'House' and for PIR6 to 'Shed', both indicated by yellow arrows.
- Siren duration:** A field set to '180 seconds (30 seconds minimum, 5 minutes maximum)'.
- ZONES:** A section with two zones:
 - Zone 1:** Labeled 'House'. A blue arrow points to the 'House' text. Below it are checkboxes for 'Arming this zone sets home mode:' (unchecked), 'Arming this zone sets away mode:' (unchecked), and 'Cascade zone to also activate:' (checked) with 'Shed' selected. A note states 'Zone 1 includes all smoke detectors, tamper and panic circuit resets'.
 - Zone 2:** Labeled 'Shed'. A blue arrow points to the 'Shed' text. Below it are checkboxes for 'Disarming this zone sets home mode:' (checked), 'Arming this zone sets away mode:' (unchecked), and 'Cascade zone to also activate:' (checked) with 'House' selected.
- MONITORING:** A section with a 'Type' dropdown set to '-- No monitoring active --', indicated by a purple arrow.

At the bottom, there are three buttons: 'Save and close', 'Apply', and 'Cancel'.

TEMPERATURE CONFIGURATION

Configuration section - Alarm Settings Tab

Temperature Probes/ Sensors

1. Click drop box to select type of Probe/ Sensor Installed
2. Label Sensor
3. When completed click Apply

Please Note – linking to floor heating, blinds etc is completed when schedules are created

The screenshot displays the 'Alarm Settings' configuration window. It is divided into several sections:

- PIRS:** Configured for PIR sensors. PIR5 (Living) and PIR6 (Shed) are set to 'PIR' type with 'House' and 'Shed' zones respectively. PIR7, PIR8, and PIR9 are set to 'DEVI Temperature sens' type with zones 'Outside', 'Zach Bathroom', and 'Ensuite'. Arrows point to these three rows.
- Key:** Set to '-- No attached Misc dev --'
- Panic:** Set to '-- No attached Misc dev --'
- Night:** Set to '-- No attached Misc dev --'
- Tamper:** Set to '-- No attached Misc dev --'
- Ain1:** Set to 'DEVI Temperature sens' type, labeled 'Wall Hallway'.
- Ain2:** Set to 'DEVI Temperature sens' type, labeled 'Floor Sensor'. A purple arrow points to this row.
- Siren duration:** Set to 180 seconds.
- ZONES:** Zone 1 is 'House' and Zone 2 is 'Shed'. Arming options are shown for each zone.
- MONITORING:** Set to '-- No monitoring active --'. A purple arrow points to this dropdown.

Buttons at the bottom include 'Save and close', 'Apply', and 'Cancel'.

MONITORING – ACTIVATION NOTIFICATIONS

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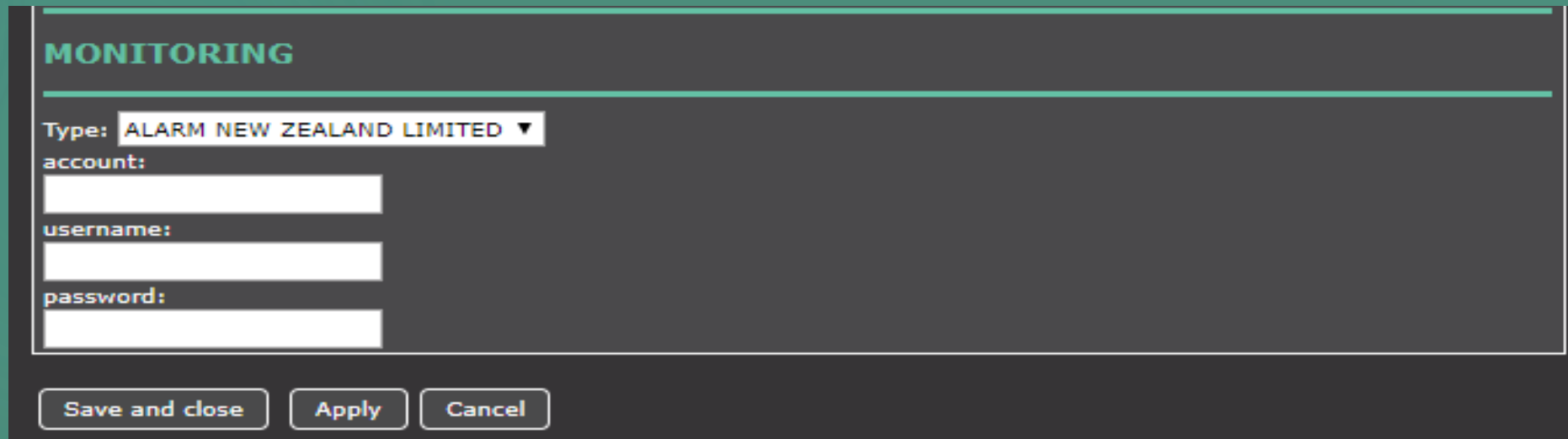
Econx will automatically provide alarm activation notifications to end users. This is via app and email.

No Configuration Required

External monitoring.

Contact monitoring to obtain an account number, user name and password.

Please contact us to set up other providers



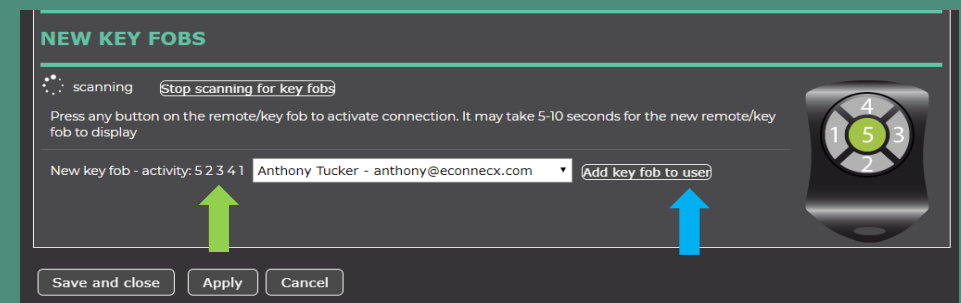
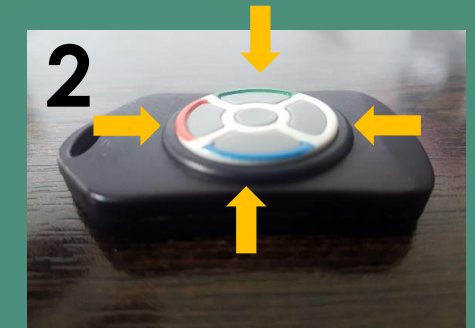
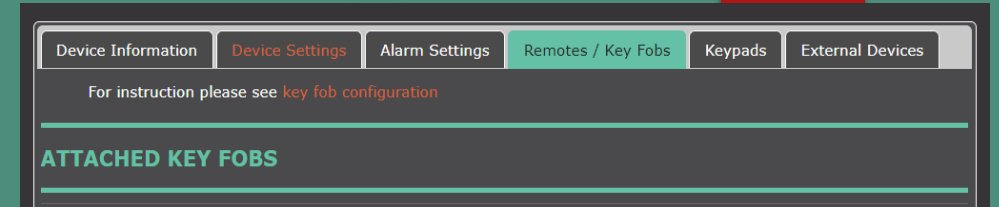
The image shows a dark-themed dialog box titled "MONITORING". It contains a dropdown menu for "Type" with the selected value "ALARM NEW ZEALAND LIMITED". Below this are three input fields labeled "account:", "username:", and "password:". At the bottom of the dialog are three buttons: "Save and close", "Apply", and "Cancel".

PAIR – KEY-FOB REMOTES

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Configuration section - **Remotes / Key Fobs Tab.**
Ensure the Antenna is connected

1. Press the Add button on the back of the remote.
The BLUE LED will start to flash
2. Press ALL the buttons on the front (any order)
3. Press the button Add button again
4. Press ALL the buttons on the front again
5. The Econx screen will learn the buttons, you must see all button numbers
6. Allocate remote to user – this will Log their actions



PAIR – KEY-FOB REMOTES

7. Click **Button 1 – 5** on screen
8. Select function of remote button E.G
 Button 1 = **House Alarm**
 Button 5 = **Garage Door**
9. Click **Apply** Wait 5 – 10 seconds before testing

Repeat process to add other remotes.

Anthony Tucker last seen: April 16, 2018 [decommission key fob](#)

reassign key fob: Anthony - anthony@econnex.com

Button: 1

- House
- Garage door Automatic Gate Lounge Blind down Lounge Blind up Hallway Blind down
- Hallway Blind up
- Missy Electric Blanket UTH Zach UTH Ensuite Towel Rails Inslab Heating Outdoor Entry
- Indoor Night lights Entry Flood Light

Button: 2

Button: 3

Button: 4

Button: 5

- House
- Garage door Automatic Gate Lounge Blind down Lounge Blind up Hallway Blind down
- Hallway Blind up
- Missy Electric Blanket UTH Zach UTH Ensuite Towel Rails Inslab Heating Outdoor Entry
- Indoor Night lights Entry Flood Light

NEW KEY FOBs

scanning [Stop scanning for key fobs](#)

Press any button on the remote/key fob to activate connection. It may take 5-10 seconds for the new remote/key fob to display



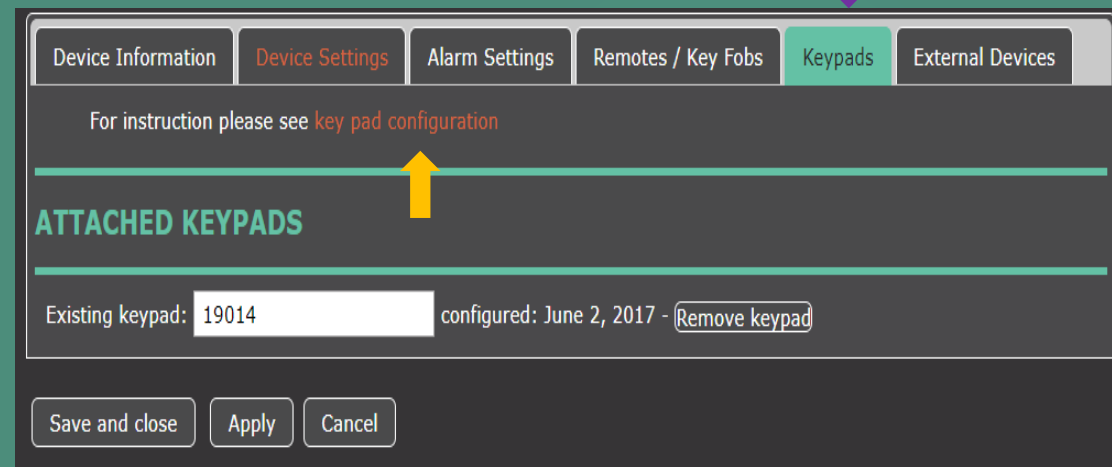
Save and close **Apply** Cancel

KEYPAD - OPTION

Econx provides a keypad solution via an app. This is connected to the Econx unit via the local wi-fi network and does not require an internet connection to operate once paired.

Configuration section - **Keypads Tab.**

1. Purchase a Android Version 3 or greater tablet.
2. Down Load our Keypad App from the App store
3. **Click to follow online pairing instructions.** Please note – this is the same process as pairing blue tooth in a car.
4. **Click Apply**



There is **NO** need to load codes, each Econx user will have created their own PIN number when creating a Econx profile/ account. Any user that has been granted access to the installed system will appear on the keypad user list. Select name and enter their personal PIN. Econx will log all user arming and disarming.

EXTERNAL DEVICES – CAMERA'S

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Configuration Section **External Device Tab**

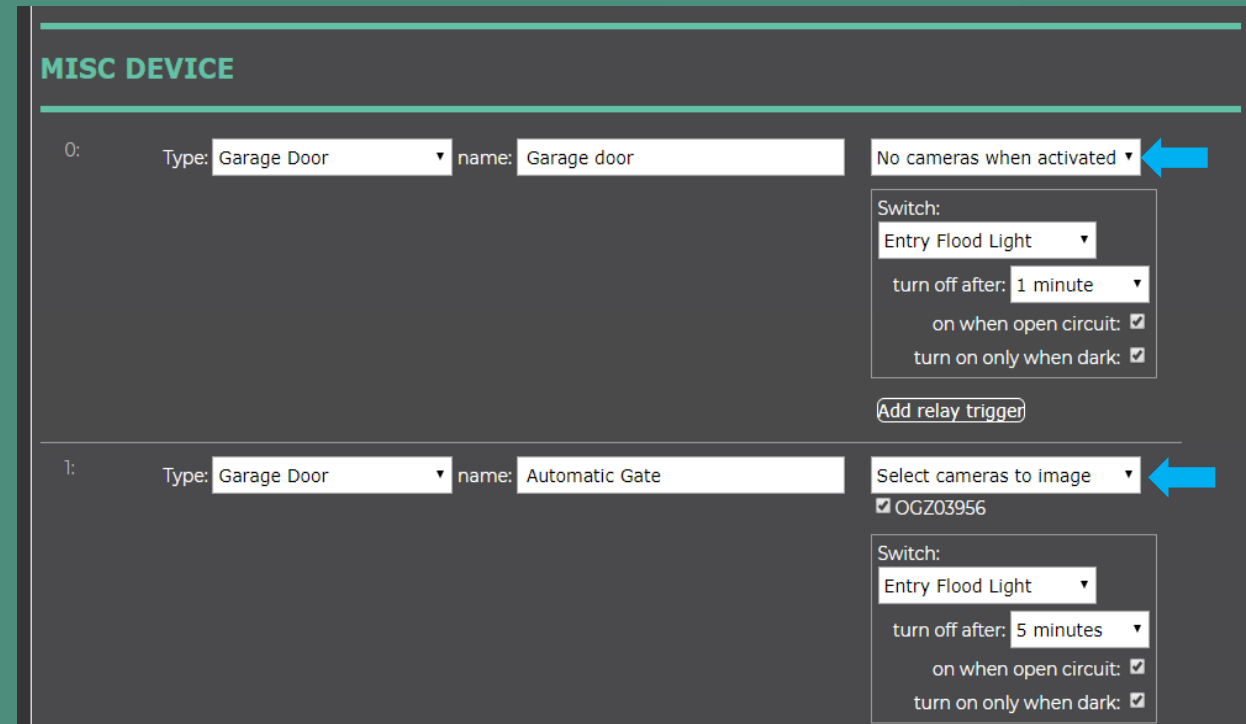
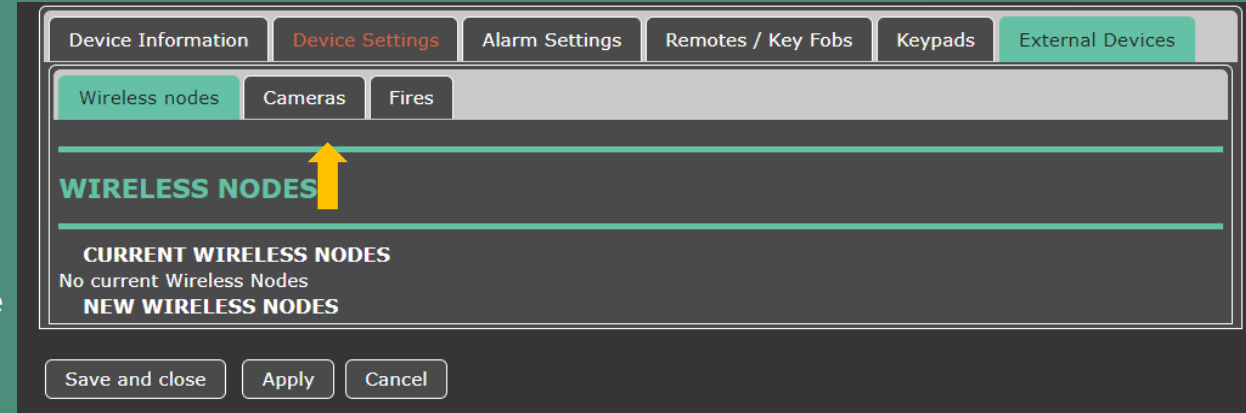
These devices connect to Econx automatically and will automatically self populate the Econx App and Browser.

If the **login for the camera/s has been changed** from the default Admin – 12345. it will be need to be updated in the Cameras section.

When a cameras is connected additional features will appear in the Device settings screen. Go back to the Device setting Tab and scroll down to the Misc. Device section.

You can attach a camera/s to garage doors, gates door bells etc. Econx will automatically capture an image and save. Econx will save 1000 images before automatically deleting.

Click apply when configuration is complete



SUPPORT – OTHER FEATURES

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Econx is a forever evolving platform with the ability to easily add more features and functionality. Please contact us to discuss your project should you have more complex control requirements

More wiring Information

- a) Wiring diagrams are supplied with your Econx system and are available at www.econx.co.nz/technical-information
- b) Step by Step Fit Off and Configuration Guides are available at www.econx.co.nz/technical-information



**Support
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329

