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SMARTHOMES

Niko Home Control

Your home works better with Niko

Your Kernow SmartHome

***niko***

# Your Smarthome

The following pages contain all the information you will need to use your Smarthome for years to come.

However we are always available to help, contact us if you need further assistance.

 [www.kernowsmarthomes.co.uk](http://www.kernowsmarthomes.co.uk)  0330 1220810  [contact@kernowsmarthomes.co.uk](mailto:contact@kernowsmarthomes.co.uk)

Kernow SmartHomes - Unit 61 - Dunveth Business Park - West Hill - Wadebridge - PL27 7FE

## Your Installation

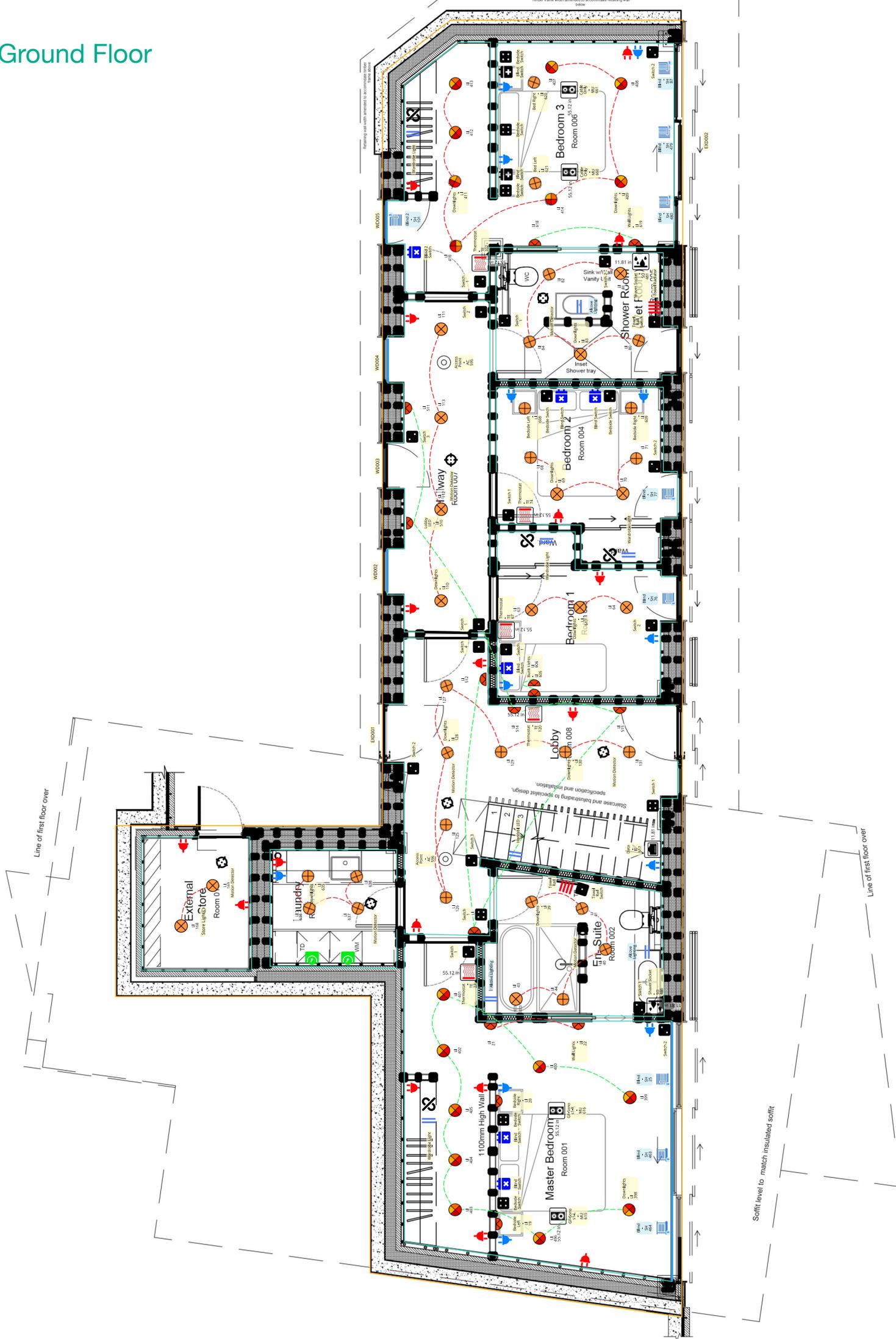
### LEGEND

- |   |   |
|---|---|
|  Switched Ceiling Fixture                 |  Niko Digital Black Control Switch               |
|  Dimmable Ceiling Fixture                 |  Niko Mood Switch                                |
|  Switched Wall Fixture                    |  Niko 1 Circuit Control Switch                   |
|  Dimmable Wall Fixture                    |  Niko 2 Circuit Control Switch                   |
|  5 Amp Lighting Outlet                    |  Niko 4 Circuit Control Switch                   |
|  LED / Cabinet Lighting                  |  Niko 1 Circuit Blind/Curtain Control Switch    |
|  Remote Controlled Curtain/Blind        |  Niko 2 Circuit Blind/Curtain Control Switch   |
|  Niko Thermostat Heating Zone Control   |  Video Entry System                            |
|  Niko Switched Towel Radiator           |  POE Wall Mounted Tablet / Internal Video Unit |
|  Niko Switched 240v Outlet              |   |
|  Remote Window Close                    |   |
|  Remote Window Open                     |   |
|  Fused Switched Appliance Outlet        |  RJ45 Network Outlet                           |
|  Other 240v Outlet                      |  TV Point                                      |
|  Water Protected Outlet                 |  HDMI Outlet                                   |
|  Double Switched 13 Amp Socket          |  Connected Speaker                             |
|  Double Switched 13 Amp Socket With USB |  Telephone Point                               |
|  Contact Switch                         |  Ceiling Mount WiFi Access Point               |
|  Under Floor Heating Manifold           |  Wall Mount WiFi Access Point                  |
|  Non Niko Conventional Light Switch     |  External WiFi Access Point                    |
|  Unresolved or Discussion Item          |  Niko Mini Motion Detector                     |
|   |  Niko External Motion Detector                 |

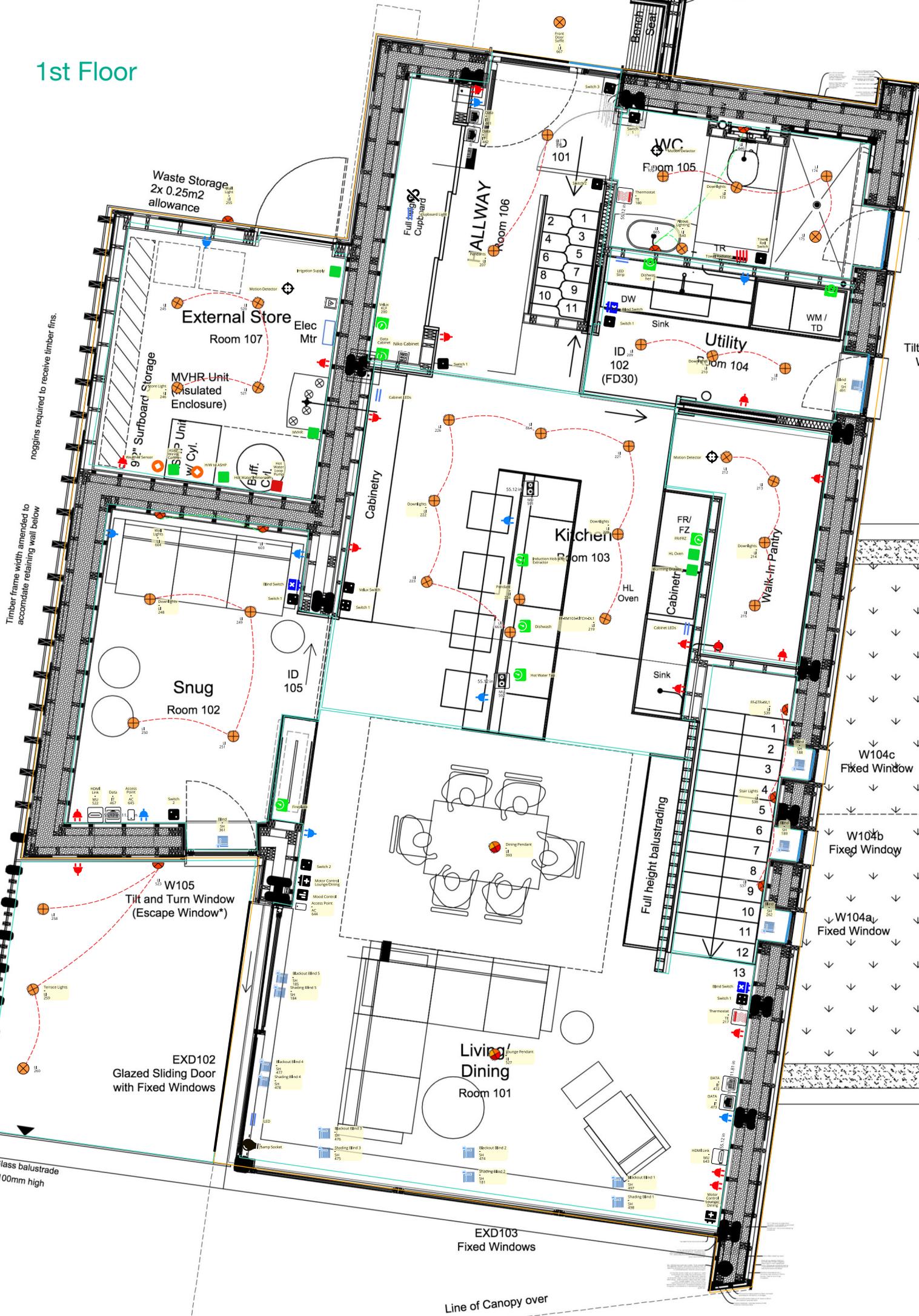
\* Locations shown are an indication only.

# Ground Floor

Table 8 Line width amended to accommodate retaining wall



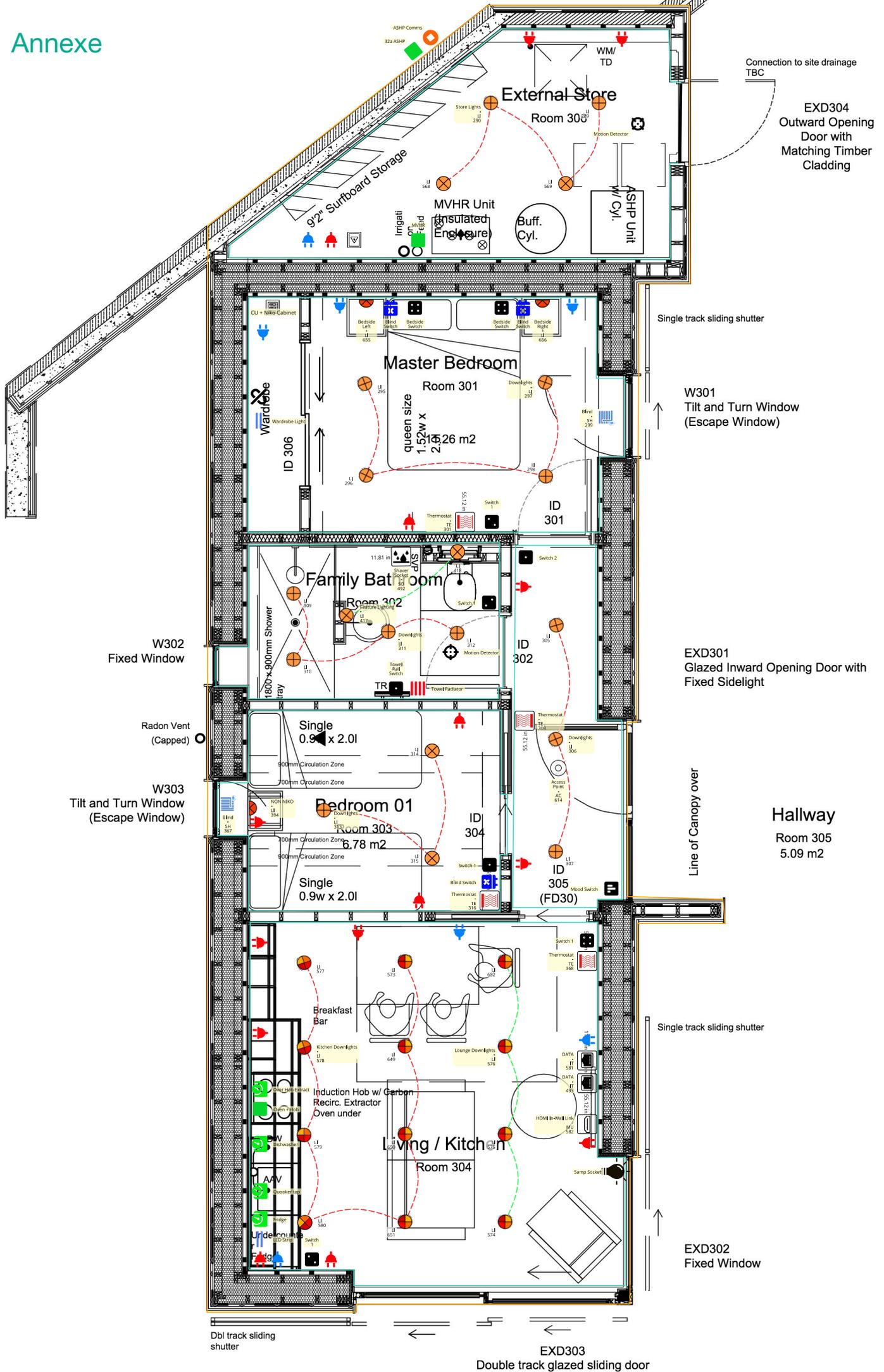
# 1st Floor



2nd Floor



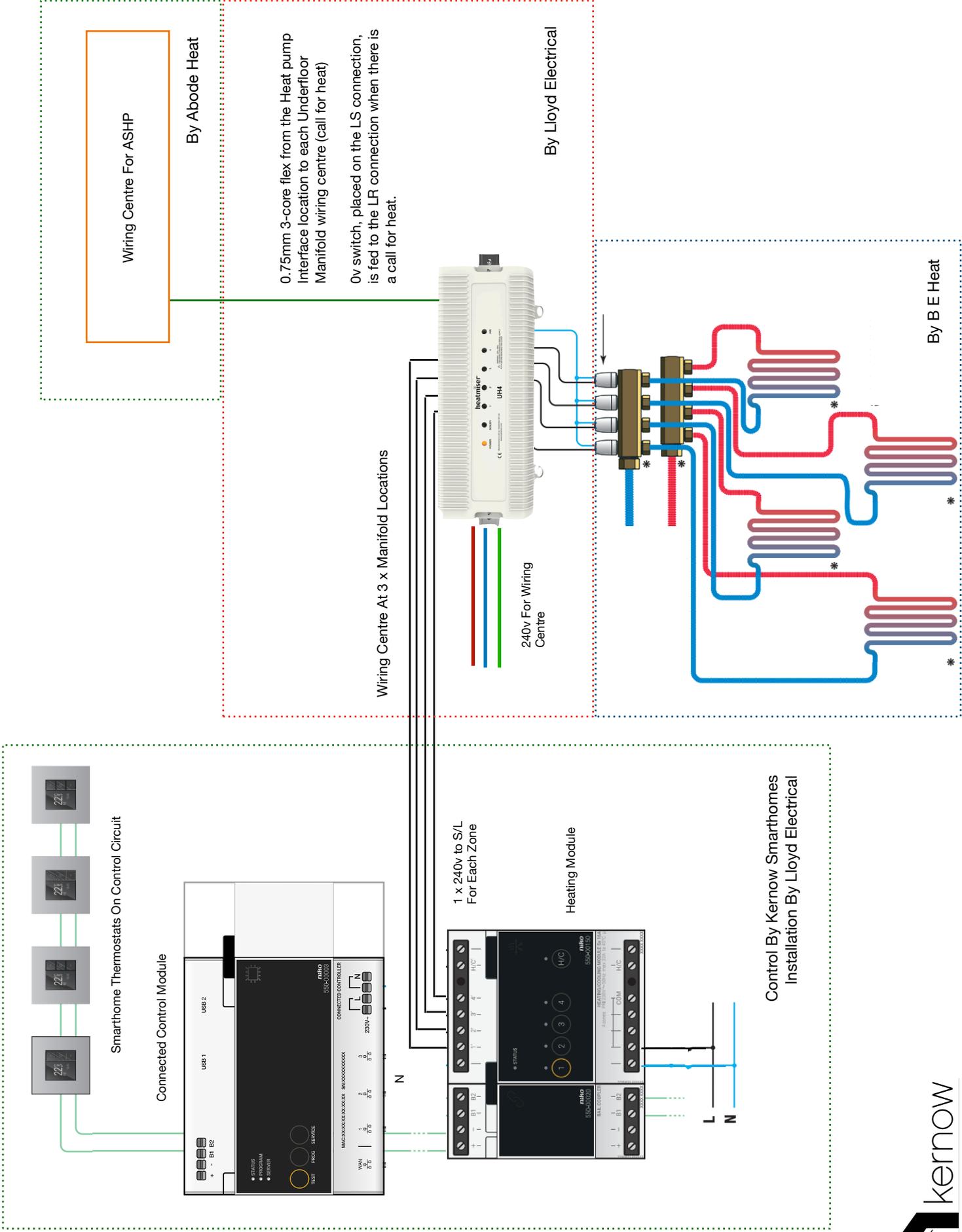
# Annexe



# External

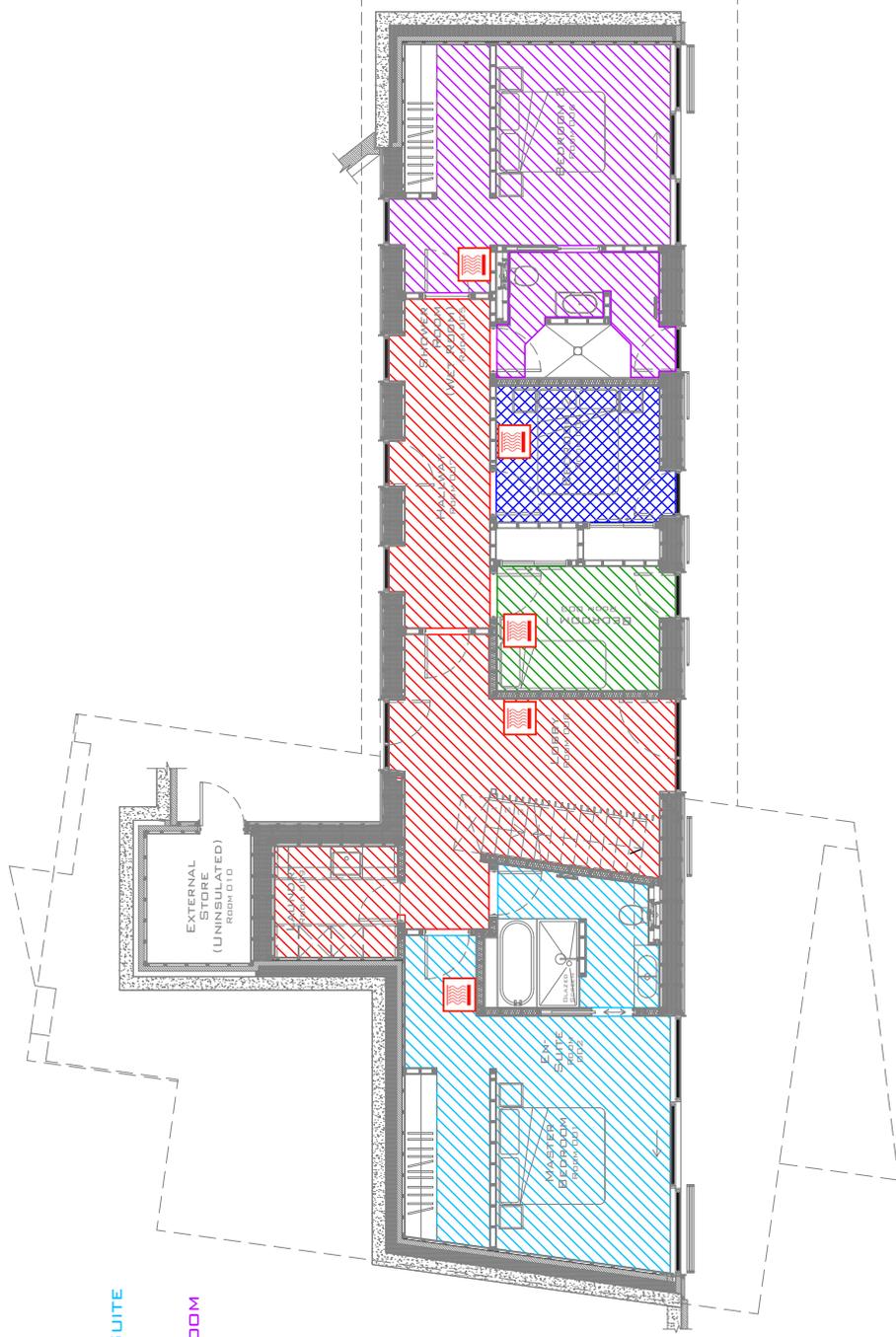


# Integration For Heatmeister Wiring Centre To AHSP - Keynvor Mawgan Porth



UNDERFLOOR HEATING ZONING KEY

-  ZONE 001 - HALLWAYS / LAUNDRY
-  ZONE 002 - MASTER BEDROOM / EN-SUITE
-  ZONE 003 - BEDROOM 3 / SHOWER ROOM
-  ZONE 004 - BEDROOM 1
-  ZONE 005 - BEDROOM 2



01 PROPOSED GF UFH STRATEGY  
T SCALE 1:100 @ A1

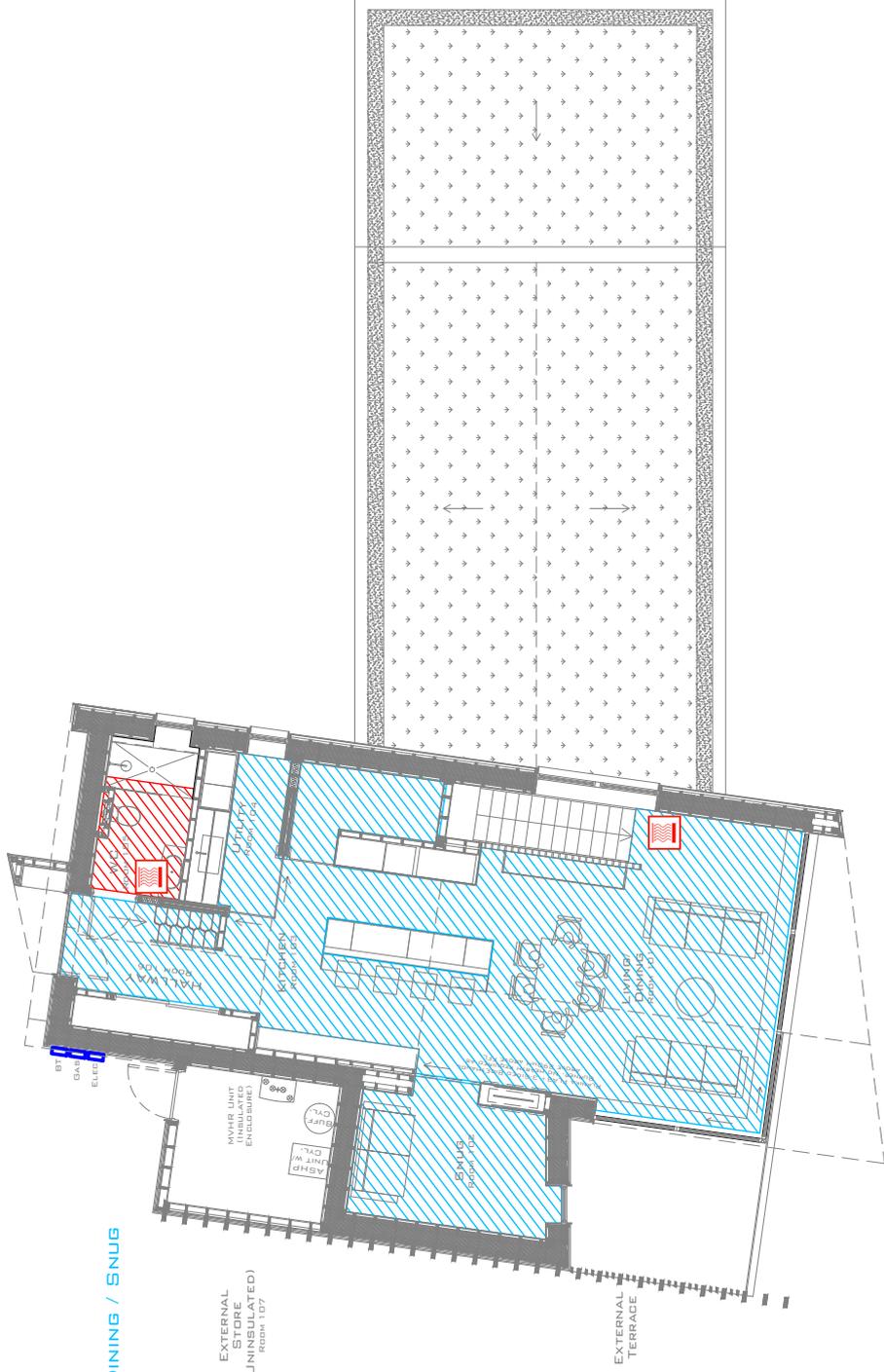
UNDERFLOOR HEATING ZONING KEY



ZONE 101 - ENTRANCE WC



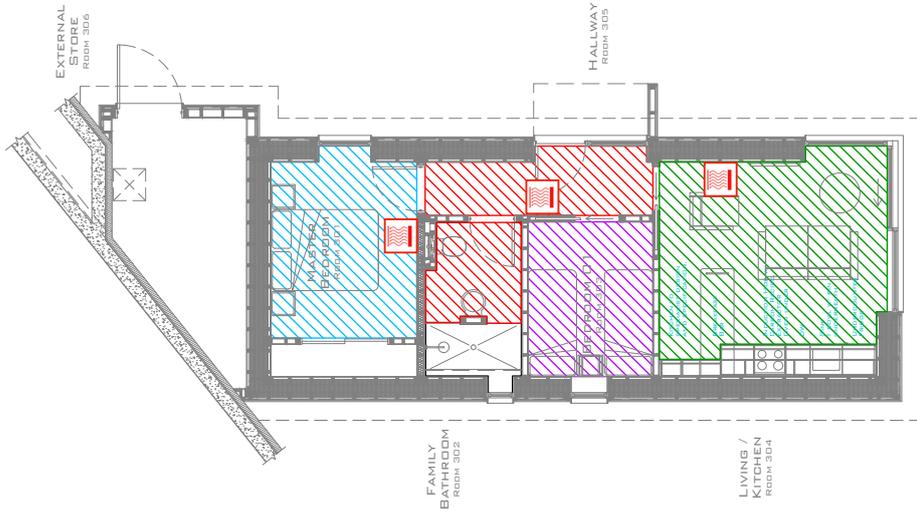
ZONE 102 - KITCHEN / LIVING / DINING / SNUG



02	PROPOSED FF UFH STRATEGY
T	SCALE 1:100 @ A1

UNDERFLOOR HEATING ZONING KEY

- ZONE 001 - HALLWAYS / FAMILY BATHROOM
- ZONE 002 - MASTER BEDROOM
- ZONE 003 - BEDROOM 1
- ZONE 004 - LIVING ROOM / KITCHEN





# Using Your SmartHome

# System Registration and Transfer

Your Niko Home Control Installation has been registered prior to commissioning and handover to the original customer. Should you be a new owner, please follow the instructions below:

## Register your installation

Register your installation to be able to control it remotely with your smartphone or tablet and benefit from the Niko upgrade and support services.

## Registration procedure

You can register your Niko Home Control installation as follows:

1. Go to <https://mynikohomecontrol.niko.eu>.
2. Complete the Mac address and Serial number.

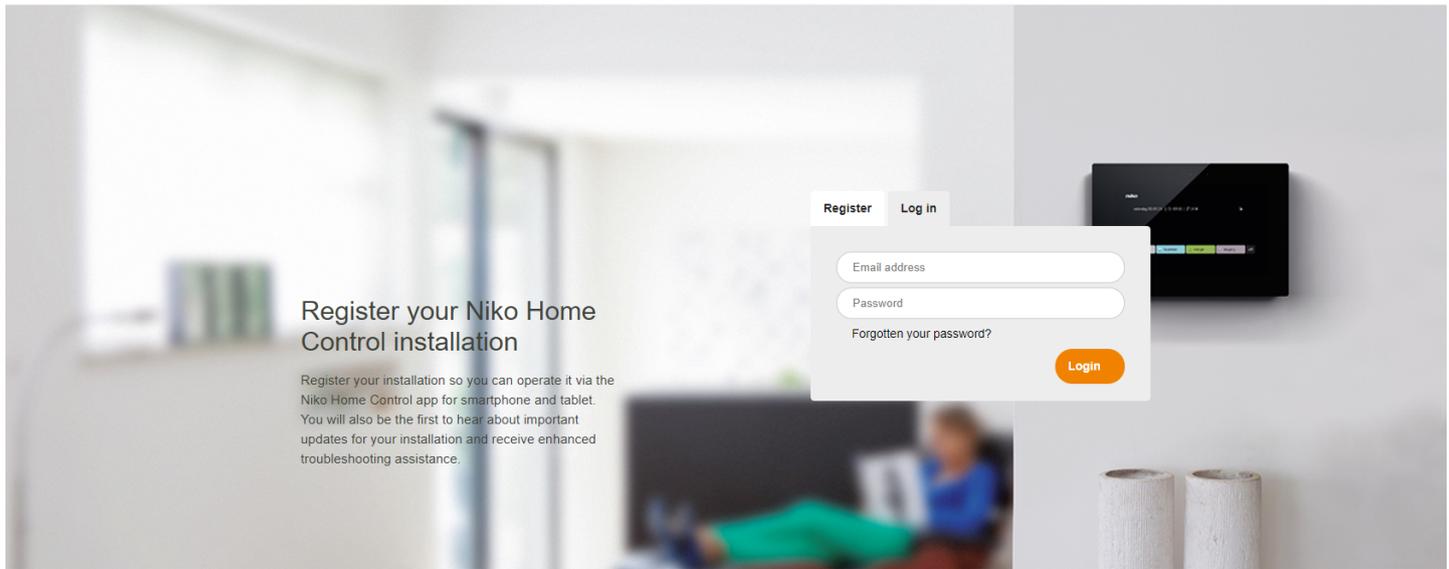
If you receive a message saying that the combination of Mac address and serial number has already been used, please contact our customer support service (+32 3 778 90 80). The installer has probably already registered the installation on your behalf, or the previous resident forgot to delete his account. We will make sure that you can log in to the registration page with your own details.

3. Follow the steps on the registration page.

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International (EN)



Register your Niko Home Control installation

Register your installation so you can operate it via the Niko Home Control app for smartphone and tablet. You will also be the first to hear about important updates for your installation and receive enhanced troubleshooting assistance.

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The application for iPads and iPhones requires iOS version 6.0 or later. The Android application requires version 2.3.3 or later.

# System Registration and Transfer

IF YOU HAVE A REGISTERED NIKO HOME CONTROL INSTALLATION AND HAVE MOVED HOUSE

Delete your Niko Home Control account so that the new resident can register again in his own name.

You can do this as follows:

1. Go to the registration page at <https://mynikohomecontrol.niko.eu> and log in.
2. Go to the section: **Your profile**.
3. Click on **Delete account**.

IF YOU ARE THE NEW RESIDENT OF A HOUSE EQUIPPED WITH NIKO HOME CONTROL

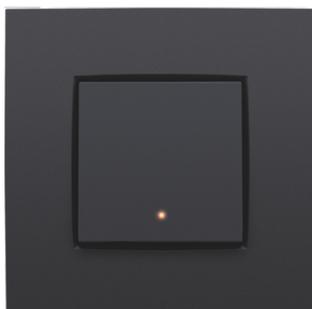
Register your installation as quickly as possible (see registration procedure above) to prevent the previous resident from having access to your installation.

# Your SmartHome Controls

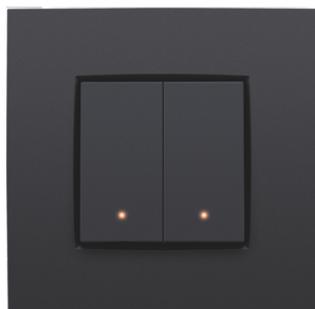
Your home is equipped with the latest in SmartHome technology to make your life as comfortable as possible.

Most of the work happens in the background where you cannot see it but there are a number of wall controls around the house that you are able to use.

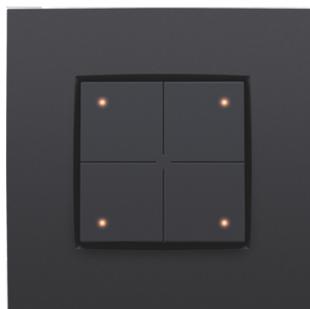
The most common control you will see are wall switches. Examples are shown below:



Single Action  
Switch



Two Action  
Switch



4 Action  
Switch



Blind/Curtain  
Switch

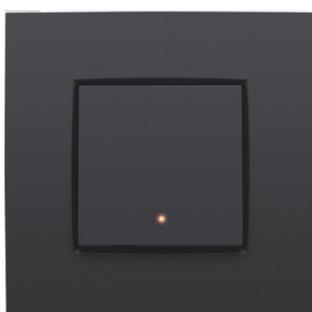
“Action” switches can control individual or multiple devices e.g. as a light switch.

Most areas have switches pre-programmed for the lights within a room in much the same way as a traditional light switch. The easiest way to see what each switch does is to try it out.

Some switches can have multiple functions depending on how you press them.

Some examples are shown below:

Controlling A Dimming Circuit:

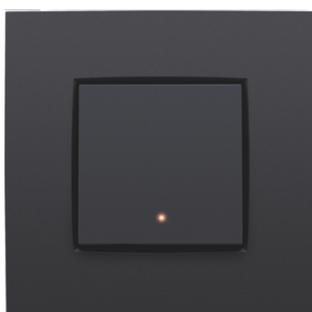


If the lights are off, a short press will turn on the lighting to the previously used lighting level.

A second short press will turn the lighting off.

A long press will slowly change the lighting level to the desired amount.

Controlling A Velux Window:



If the Velux Window is closed, a short press will fully open the chosen window.

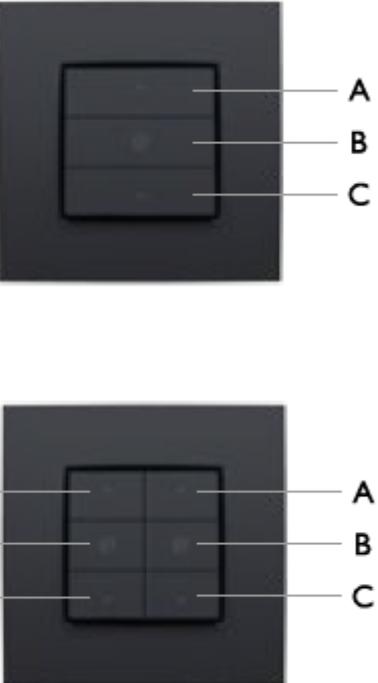
If the window is closed, a short press will fully close the chosen Velux Window.

Note: If the room temperature rises, your SmartHome may open your Velux Windows for you!

# Your SmartHome Controls

## Push buttons for the motor control of roll-down shutters, sun blinds and awnings

### Description



The diagram shows two types of push buttons. The top button is a single push button with a square face divided into three horizontal sections, labeled A, B, and C from top to bottom. The bottom button is a double push button with a square face divided into six sections arranged in two columns of three, labeled A, B, and C on both the left and right sides.

Push buttons for motor control are available in single or double versions. The single push button consists of three action buttons, while the double push button has six. With these push buttons, you can operate the motors of one or two groups of roll-down shutters, sun blinds or awnings connected to the Niko Home Control installation.

The action buttons on each push button are arranged in groups of three. Each group consists of action buttons A, B and C, for which the action is pre-defined. The action buttons can also be equipped with indication LEDs. The LED lights up or switches off every time you press the action button. During the programming of the installation, the installer will determine whether the LED lights up or switches off when you have pressed the action button.

### Use

If the roll-down shutter, sun blind or awnings are in motion, you can stop them by pressing one of the action buttons. Every press of the action button stops their motion.

#### USE OF ACTION BUTTON A

Action	Result
Briefly press A.	You will fully raise the roll-down shutter.
Press and hold A.	You will move the roll-down shutter to the desired position. The roll-down shutter will stop as soon as you release the action button.

# Your SmartHome Controls

## USE OF ACTION BUTTON B

You can adjust and configure the preferred position of the roll-down shutter yourself with action button B. The standard setting for this is approximately mid-position.

Action	Result
Move the roll-down shutter to the desired position and keep B pressed down for longer than three seconds.	You have now programmed your own preferred settings with this action button.
Briefly press on B.	You will move the roll-down shutter to the preferred position.

## USE OF ACTION BUTTON C

Action	Result
Briefly press C.	You will fully lower the roll-down shutter.
Press and hold C.	you will lower the roll-down shutter to the desired position. The roll-down shutter will stop as soon as you release the action button.

# Your SmartHome Controls

## Mood control

With the mood control, you can choose from the different moods which the installer has configured in advance during the fitting and programming of the installation. The software includes 20 symbols of which a maximum of eight per mood control can be selected. The installer will link one or more actions to these eight symbols in order to create the desired mood. A mood will be suggested with a symbol and can be a combination of several settings for lighting, roll-down shutters, sun blinds, etc.

## Activating a mood setting

	<p>1. Touch one of the buttons to light up the display. When not in use, the display is dimmed to reduce energy consumption. Depending on the configured moods and the chosen symbols, the following screen will appear.</p>
	<p>2. Scroll through the pre-programmed mood settings with the top or bottom button until the symbol for the desired mood appears.</p>

# Your SmartHome Controls

 A close-up of a dark grey SmartHome control panel. On the left side, there are three icons: a cocktail glass, a lamp, and another lamp. The middle icon (the lamp) is highlighted with a white rectangular box. To the right of these icons are three vertically stacked buttons: a top button with an upward-pointing chevron, a middle button with a diamond shape, and a bottom button with a downward-pointing chevron.	<p>3. Press the middle button to confirm your choice. The symbol will turn an amber colour. It will remain amber-coloured for as long as the mood setting is activated.</p>
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## Viewing date and time

The date and time of the Niko Home Control installation are centrally controlled.

You can modify this data in the user software.

You can view the date and time as follows:

	<p>1. Touch one of the buttons to light up the display, if necessary.</p>
 A close-up of the same SmartHome control panel. The screen is now lit up. In the top left corner, there is a '< back' label. Below it, the word 'DATE' is displayed in a white rectangular box. The three buttons on the right (upward chevron, diamond, downward chevron) are visible and lit up.	<p>2. Keep the middle button pressed down until the settings menu is opened The following screen will appear.</p> <div data-bbox="651 1323 1501 1509" style="border: 1px solid #ccc; padding: 10px;"><p>ⓘ The installer will select the language during the programming of the installation. You cannot adjust this setting here.</p></div>

# Your SmartHome Controls



3. Check whether DATE is selected and press the middle button to confirm your choice. You will now see the following screen with time, day, month and year.

4. Press on the top button to select back, and confirm your choice with the middle button. You will go back to the settings menu.

# Your SmartHome Controls

## Thermostat

With the thermostat, you can regulate the temperature in a room. You can choose from three week programmes: two for the heating function and one for the cooling function. In addition, you also have the choice of five fixed temperature settings: DAY, NIGHT, ECO, COOL and OFF. These pre-configured programmes and temperatures can be modified. The temperature can also be manually increased or lowered.

This chapter will guide you through the various control possibilities of the thermostat.

- Start screen
- Modifying the current temperature for a certain length of time
- Choose one of the pre-programmed week programmes or temperature levels
- Eco-save mode
- Changing the settings

## Start screen



Touch one of the buttons to light up the display. When not in use, the display is dimmed to reduce energy consumption. The following screen will appear: The top line indicates the current temperature in the room, with the desired temperature below. If the desired temperature is higher than the current temperature, the following will appear  on the screen: the heating is on. If you have selected a cooling programme, it will indicate that  the cooling installation has been activated. On the bottom line, the active programme or the selected temperature level is indicated. If this programme or temperature level is manually overwritten temporarily, a clock will also be shown (see [next section](#)). In the bottom right you can see the time.

# Your SmartHome Controls

## Modifying the current temperature for a certain length of time

	<p>1. Touch one of the buttons to light up the display, if necessary. The start screen will appear.</p>
 A dark grey smart thermostat control panel. On the left, a digital display shows '°C 22.5' with a white box around the '22.5'. Below it, a clock icon is followed by '01:00'. On the right, there are three vertically stacked buttons: a top button with an upward-pointing chevron, a middle button with a diamond shape, and a bottom button with a downward-pointing chevron.	<p>2. Press the top or bottom button. The following screen will appear.</p>
	<p>3. Press the top or bottom button until you have reached the desired temperature.</p>
 A dark grey smart thermostat control panel, similar to the previous one. The digital display now shows '°C 24.0' with a white box around the '24.0'. The timer below it still shows '01:00' with a white box around it. The three buttons on the right remain the same.	<p>4. Press the middle button to confirm the modified temperature. You will automatically go to the bottom line. Here you can select the time slot during which you want this temperature to be maintained. The standard setting is one hour.</p>
	<p>5. Press the top or bottom button if you want to extend or shorten the time respectively. You can modify the time in steps of 15 minutes. The maximum adjustable time is 23 hours and 45 minutes.</p>

# Your SmartHome Controls



6. Press the middle button to confirm the selected time. You will automatically go back to the start screen. The clock on the start screen indicates that the usual programme has temporarily been adjusted.

After the configured time has elapsed, the thermostat will revert to the programme which was active before the adjustment of the time.

# Your SmartHome Controls

Choose one of the pre-programmed week programmes or temperature levels

The fixed temperature levels are pre-programmed as follows:

	DAY	21°C
	NIGHT	16°C
	ECO	18°C
	COOL	24°C
	OFF	7°C

The week programmes are pre-programmed as follows:

PROG1	weekday	06:00 => 08:00 DAY
		08:00 => 16:00 NIGHT
		16:00 => 18:00 ECO
		18:00 => 22:00 DAY
		22:00 => 06:00 NIGHT
	weekend	08:00 => 22:00 DAY
22:00 => 08:00 NIGHT		
PROG2	weekday	08:00 => 22:00 DAY
		22:00 => 08:00 NIGHT
	weekend	16:00 => 19:00 COOL
		19:00 => 16:00 OFF
PROG3	weekday	16:00 => 19:00 COOL

# Your SmartHome Controls

	19:00 => 16:00 OFF
weekend	10:00 => 19:00 COOL
	19:00 => 10:00 OFF

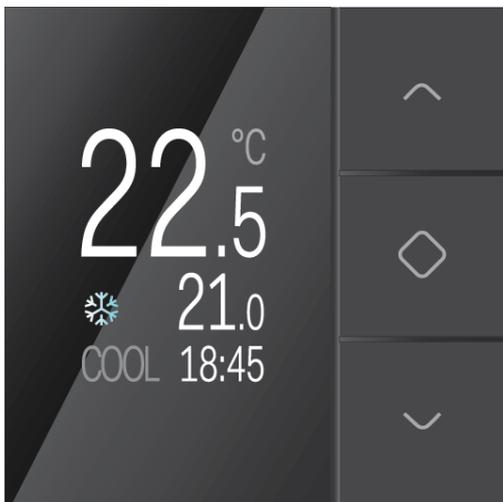
1. Touch one of the buttons to light up the display, if necessary. The start screen will appear.



2. Press the middle button to open the menu with week programmes and temperature levels. The following screen will appear.

ⓘ The installer will select the language during the programming of the installation. You cannot adjust this setting here.

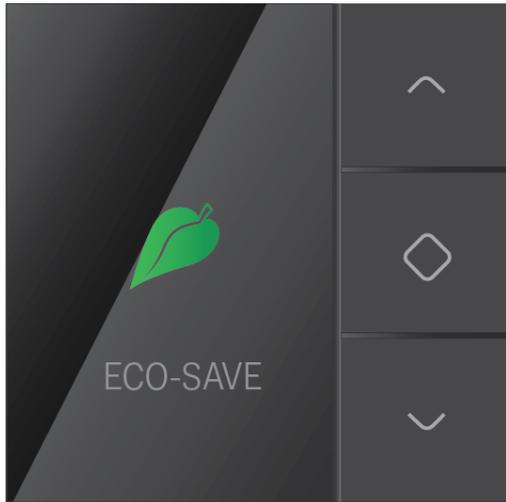
3. Press the top or bottom button to select the desired week programme or temperature level.



4. Press the middle button to confirm your choice. You will automatically go back to the start screen, where the selected week programme and temperature level will also appear.

# Your SmartHome Controls

## Eco-save mode



It is possible that the installer has programmed a push button with a mood that puts the thermostat in eco-save mode. The week programmes and temperature levels stay active, but the maximum temperature is limited to the pre-configured eco-temperature (18 °C).

The following screen will appear.

You can deactivate the eco-save mode via the same push button which the installer has programmed. The temperature limiting will be cancelled and the eco-save screen will disappear.

# Your SmartHome Controls

## Changing the settings

### Modifying week programmes

In a week programme, you can set the times and the accompanying temperature level for each day yourself.

	<p>1. Touch one of the buttons to light up the display, if necessary. The start screen will appear.</p>
	<p>2. Keep the middle button pressed down until the settings menu opens. From this screen, you can change the programme, the date and the time, or adjust the calibration.</p>
	<p>3. Check whether <b>PROG</b> is selected and press the middle button to confirm your choice. The following screen will appear.</p>
	<p>4. Press the top or bottom button to select the week programme that you want to modify.</p>

# Your SmartHome Controls

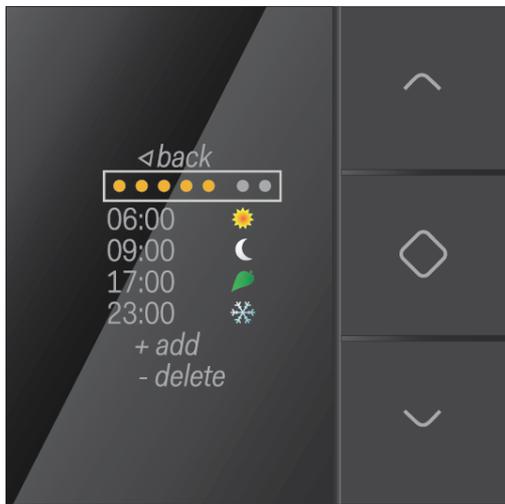


5. Press the middle button to confirm your choice. The following screen will appear.

A week will be shown with a set of seven little dots, from Monday to Sunday.

Every line corresponds with a specific day programme, which can be applicable for one or more days.

The selected days are amber-coloured. In this example screen, the weekdays (top line) and the weekend days (bottom line) each have a different day programme.



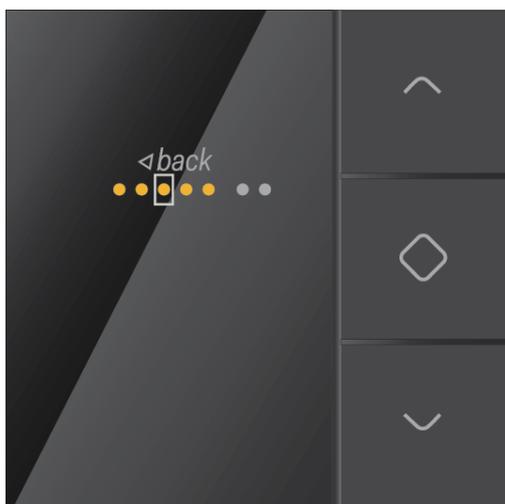
6. To add a day programme: Press the bottom button to select **+ add** and confirm your choice with the middle button.

To modify an existing programme: Press the top or bottom button to select a line and confirm your choice with the middle button. The following screen will appear.

You will receive an overview of the day programme.

You can adjust each of the lines by selecting the line with the top or bottom button.

You always confirm your choice with the middle button.



7. Select the top line with the little dots if you want to modify the days for which the day programme is applicable. The following screen will appear.

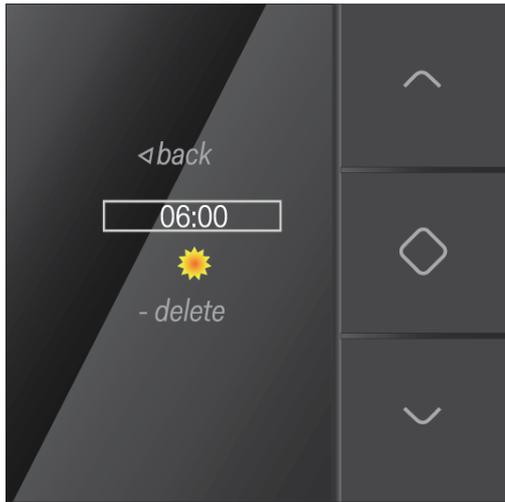
Scroll through the little dots with the top or bottom button.

Press the middle button to deactivate the little amber-coloured dots, or to activate the little white dots. A little

amber-coloured dot indicates the day of the week for which the day programme is active, while a little white dot indicates that the day programme is not applicable for that day.

Select **< back** to return to the previous screen.

# Your SmartHome Controls



8. Select one of the following lines for which you want to adjust the time and/or the accompanying temperature level. The following screen will appear:

You can change the following on this screen:

- time: you can adjust the time on the first line with the top or bottom button.
- temperature: you can choose the temperature which corresponds with the selected time from the list of temperature levels.
- time slot within this day programme: select - **delete** to delete it.

Always confirm your choice with the middle button. Select **< back** to leave this screen.

Repeat the previous steps for each modification that you wish to make to a day or week programme.

## Viewing date and time

The date and time of the Niko Home Control installation are centrally controlled. You can modify the data in the user software. You can view the date and time as follows:

	<p>1. Touch one of the buttons to light up the display, if necessary. The start screen will appear.</p>
	<p>2. Keep the middle button pressed down until the settings menu opens. The following screen will appear.</p>
	<p>3. Press the bottom button to select <b>DATE</b>.</p>

# Your SmartHome Controls

	<p>4. Press the middle button to confirm your choice. You will now see the following screen with the time, day, month and year.</p>
	<p>5. Press on the top button to select <b>&lt; back</b>, and confirm your choice with the middle button. You will go back to the settings menu.</p>

## Calibrating the thermostat

The installer is responsible for calibrating the thermostat. If you notice that the temperature on the thermostat deviates too much from the actual temperature, you must correct the temperature on the thermostat as follows.

	<p>1. Touch one of the buttons to light up the display, if necessary. The start screen will appear.</p>
	<p>2. Keep the middle button pressed down until the settings menu opens. The following screen will appear.</p>
	<p>3. Press the bottom button to select <b>CALIBRATION</b>.</p>
	<p>4. Press the middle button to confirm your choice.</p>
	<p>5. Use the top or bottom keys until the temperature on the display corresponds to the temperature measured in the</p>

# Your SmartHome Controls

	centre of the room. You can increase or decrease the temperature on the display by six degrees.
	6. Press the middle button to confirm the modified temperature.
	7. Press on the top button to select < <b>back</b> , and confirm your choice with the middle button. You will go back to the start screen.

## In The Event Of A Fire Alarm Activation

Your Smarthome will automatically do the following actions automatically:

- Raise all blinds
- Close any Velux Skylight windows
- Turn on lighting in every room
- Play the alarm sound through your Sonos sound system

### Note:

The alarm sound will continue to play through your sound system until your fire alarm is fully reset, even if the alarm is silenced at the Fire Alarm panel.



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