



EWAY SOLUTIONS AND SERVICES LTD

**INTELLIGENT SMART HOME & COMMERCIAL
BUILDING AUTOMATION
APP EXPLAINED**



Mission

To empower individuals and
businesses
with advanced Smart automation
solutions that enhance comfort,
security, and
efficiency.

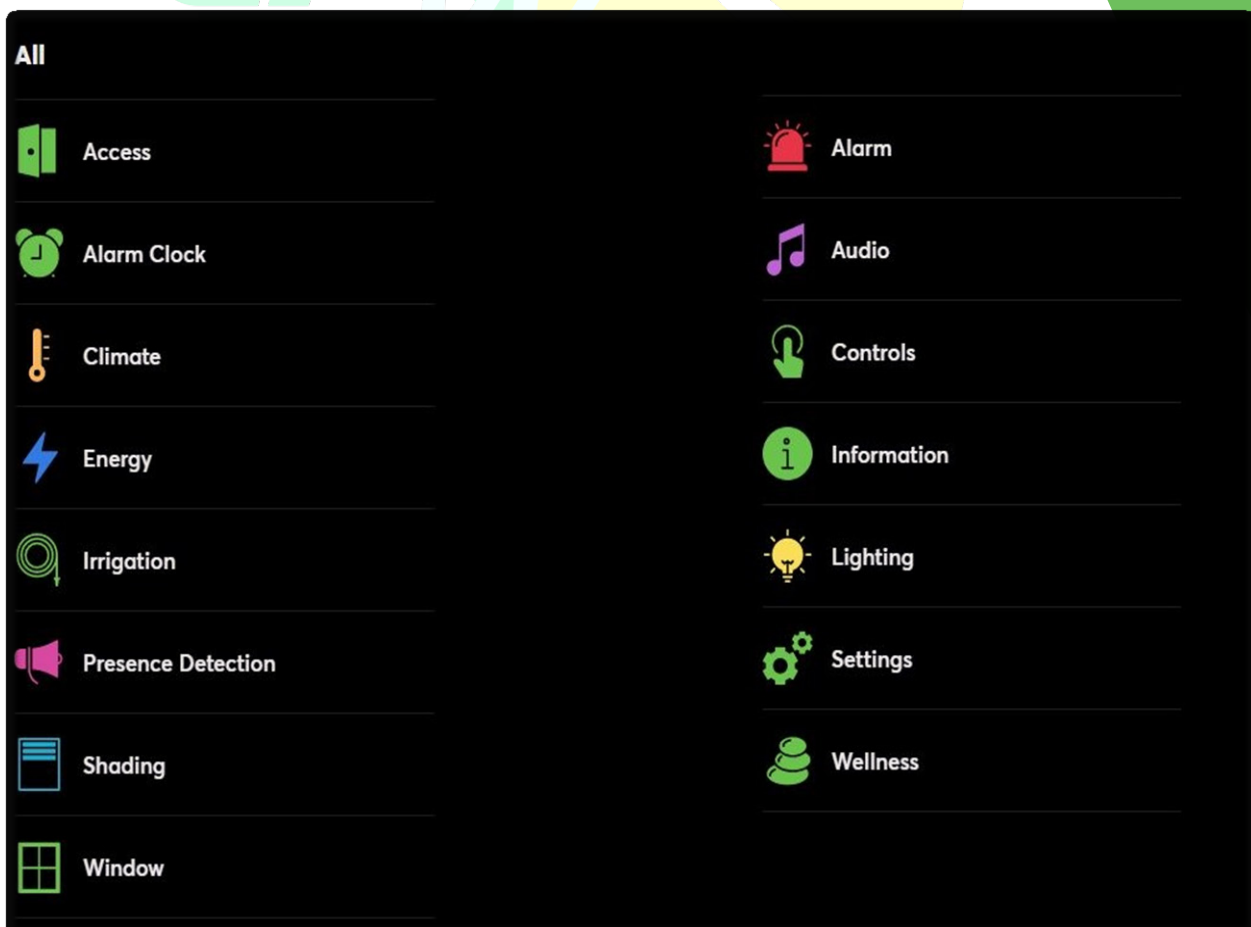
Whether in **offices, business premises, residential buildings, hotels, restaurant, warehouses or special applications** – by using our technology, the value of each building and the return on investment can be significantly reduced through real energy management. In addition, the building automatically adapts to the needs of the users in the building and thus ensures a pleasant and comfortable everyday life.

With Interest to promote:

- **Convenience:** Control your entire building system from your smartphone or computer.
- **Flexibility:** Create customized experiences for different zones and set moods.
- **Seamless Integration:** Integrates with other building systems features for a cohesive and automated building environment.
- **Scalability:** The system is easily expandable.

The application platform is designed to be a user-friendly way to control your building systems. The combination of a simple interface, remote access, customization options, and mobile platform compatibility makes it a convenient tool for management.

ALL IN ONE VISUALIZATION PLATFORM



Category overview

SECURITY, ACCESS CONTROL & INTERCOM

- Access via Code & NFC.
- Individual access rights for everybody.
- Keypad with fob reader to disarm burglar alarm.
- HD video intercom to see and speak with anyone at the door.
- Connect to the intercom even when you're away via the app.
- Customized Answering message when away.
- Access and recent visitor history in the app.
- App notifications when someone rings the doorbell.
- When you leave and “triple-tap” a switch, the home will know to immediately activate safety features.

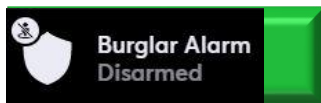




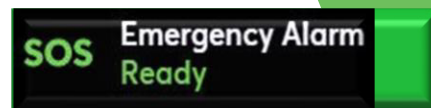
During alarms, the system can be programmed to give;
Visual, Audio alerts and send notification:

- Flash lights in defined zone.
- Open blinds and curtains to provide escape routes and facilitate smoke ventilation.
- Play an alarm sound through the music server for a clear and widespread alert.
- Send notifications.

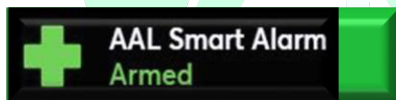
Types of Alarms



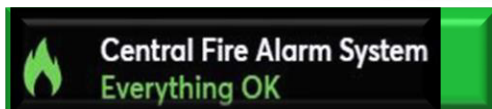
- From Door/Window contact, Window Handle, Presence sensor, Siren.
- Remote arming.
- Device status message history.



- Save Our Souls Alarm, send distress call to authorized personal for help.
- Monitor Alarm Message history.
- Easy Deactivation



- Ambient Assisted Living Alarm, detection of emergency situations. If an individual is in need of help (e.g. after falling), help can be contacted quickly & automatically.



- Adheres to BS 5839-6:2004 regulations
- Monitor fire monitoring devices; smoke, temperature.
- Pre-alarm: This initial stage might involve a notification via app or a low-key alert sound.
- Main Alarm: If the fire is confirmed or persists, the system activates a full-blown alarm sequence.
- Drill simulation.



Upon detecting water leak;

- Monitor water leak monitoring device.
- Pre-alarm: This initial stage might involve a notification via app or a low-key alert sound.
- Main Alarm: If the fire is confirmed or persists, the system activates a full-blown alarm sequence.
- Drill simulation.
- Trigger water inlet shutdown/pump

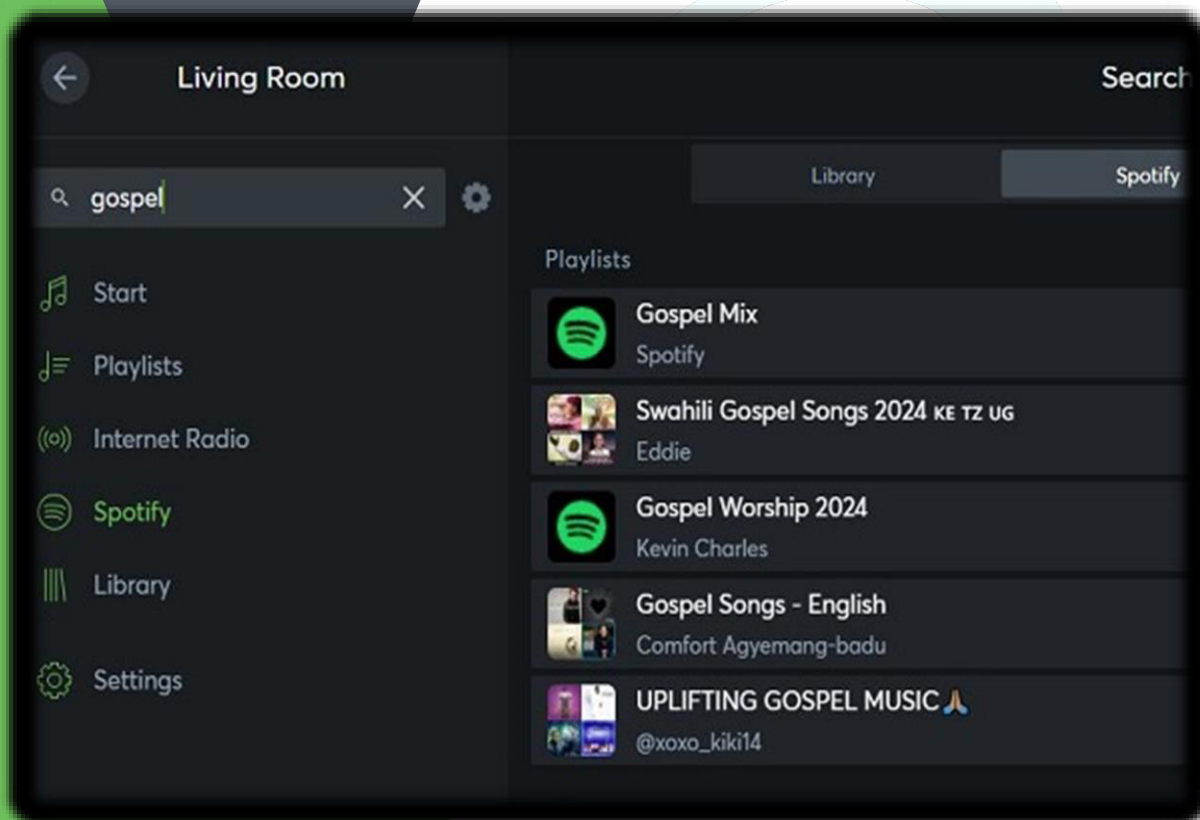


Create scheduled clock alarm for different tasks or reminders.

- Start irrigation, close blinds, power on the generator/light, adjust room temperature...etc



- Play music in different Zones/rooms.
- Music can start automatically when entering a room.
- Control music from the switch.
- Central control of music in the app.
- Option to play predefined messages based on events in your building/home.



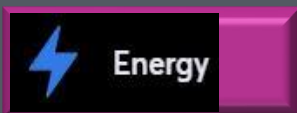
- Record your own announcements to play in different Zones/rooms
- Stream audio from Spotify & Tuneln.
- Support for Apple Airplay

- Option to have your favorite playlist wake you up the morning.
- Set individual music favorites in each Zone/room.
- Conveniently switch off audio from one switch when leaving your premises/home.
- Play custom notifications when you have a visitor or event is triggered.
- Easy Integrate to burglar, fire, water, gas leak alarms among others.



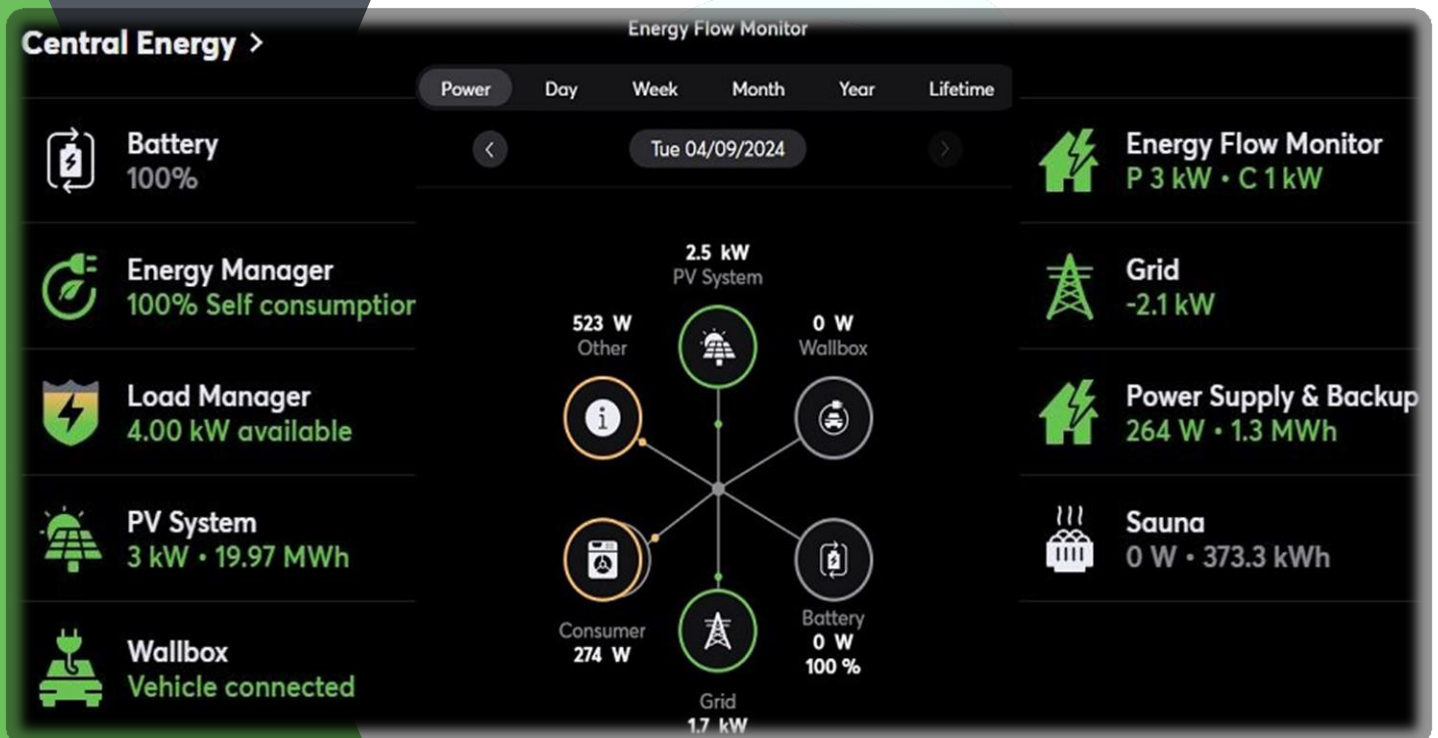
- **Temperature and humidity** monitoring in each zone/room.
- When you're still in the zone/room and heating/cooling is scheduled to be off Temperature is maintained via presence sensor.
- Set a suitable comfort temperature for each zone/room.
- Frost Protection and Overheat Protection.
- Intelligent learning.
- Weekly schedule with holidays and custom calendar entries.
- Optional maintenance reminders.
- Notifications of changes to the system.
- Central monitoring and control of heating and cooling in the app
- Statistics in the app





The focus is on recording and visualizing all energy consumers, producers and consumers in the building. In order for all energy flows to be visualized and optimized, a building needs a central control

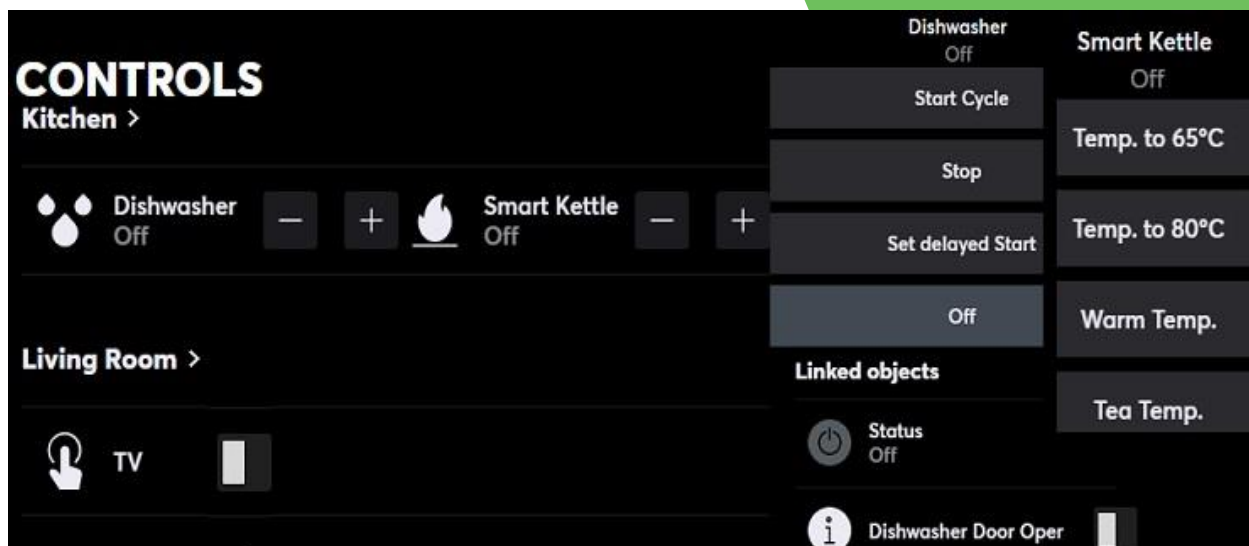
- **Recording and visualizing all energy flows.** know where the energy goes within the building, how much its consumed or produced.
- **Reducing basic power consumption.** switching off unnecessary consumers.
- **Shifting energy consumption.** Prioritize the use of the cheapest source of energy.
- **Our hardware is 24V rated.**



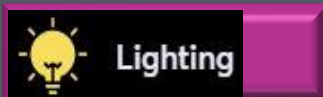
- Energy Efficiency and Indoor Climate: Optimized HVAC
- Holistic Energy Management with Intelligent Lighting and Audio
- **Save up to 35% Energy cost**



Power on/off, adjust.



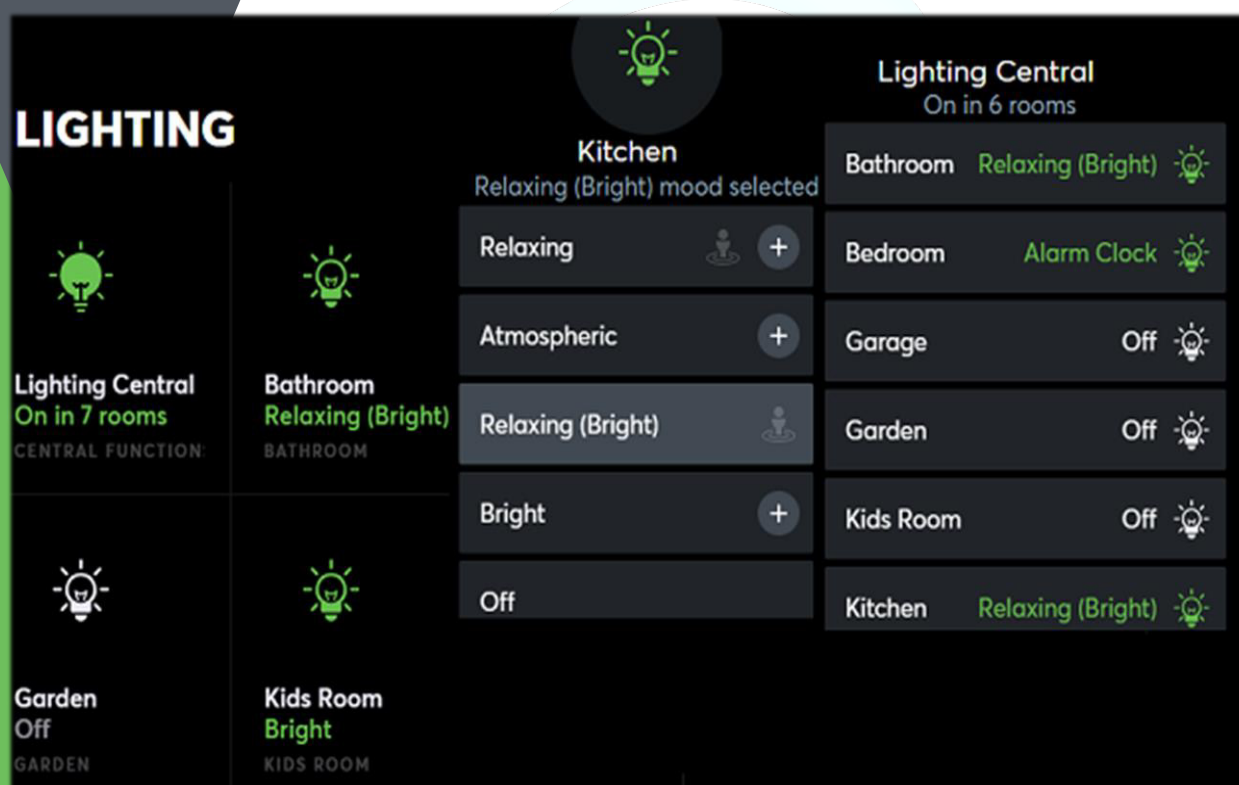
EWAY SOLUTIONS AND SERVICES



Creates smart and customizable lighting system for your home/premises.

Features:

- Presence-activated lighting.
- Lights can mimic occupancy when you're out.
- Lights turn off automatically when not needed.
- Conveniently switch off all lights from one switch when leaving your home.
- Factors in natural light levels.
- Central monitoring and control of lighting in the app.
- Lights stay on if noise is detected in that room.
- Dimmable lighting.
- Night Mode lighting.
- Undercounter/cabinet LED lighting.
- Option for lights to flash when doorbell is pressed.
- Colored lighting.



Transform any room into a unique experience through the art of intelligent lighting control, It's not just about lighting. It's about creating an extraordinary atmosphere that elevates our lives and every building to a new level.

We are not limited to just our own lighting products. They can integrate with conventional lighting, LED strips, bulbs, and fixtures.

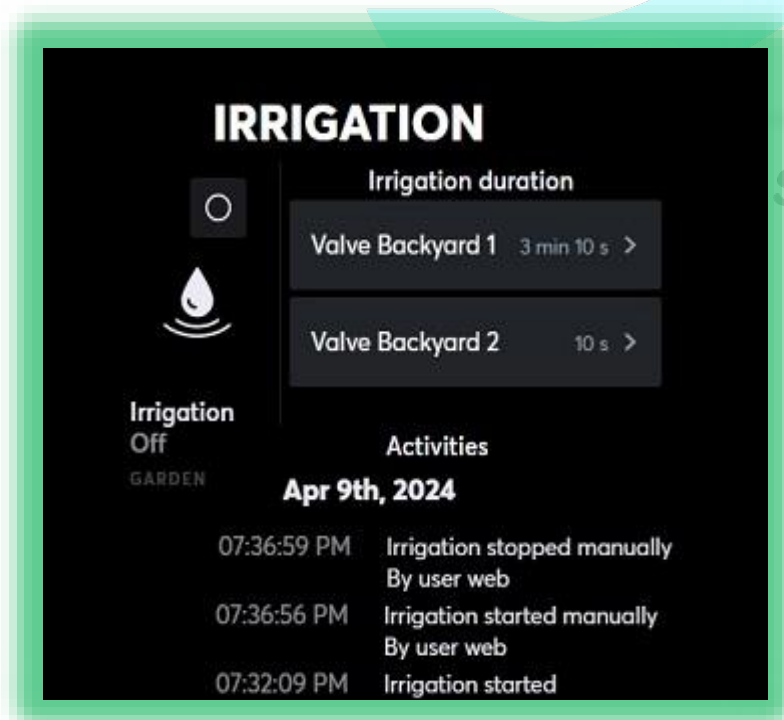


Smart Watering Based on Conditions:

- **Weather Data Integration:** Ability to factor in weather information via weather station or weather service to understand current and forecasted precipitation . This allows for **demand-based irrigation**.
- **Soil Moisture Sensors:** Integrate with soil moisture sensors to provide real-time data on **how dry or moist the soil is**.

Flexibility and Automation:

- **Zone Control:** You can set up different zones for your irrigation system, allowing for customized watering schedules for areas with different plant needs or sun exposure.
- **Scheduling and Manual Control:** Create automatic watering schedules based on time of day, weather data, or a combination of both. You can also manually activate or deactivate irrigation through the app for added flexibility.
- **Pump Control:** Integrate with your irrigation pump, automatically turning it on when watering is needed and off when finished.
- **Rainwater Tank Support:** The system can monitor the water level in your rainwater tank and switch to using tap water if the tank runs low.





Presence Detection

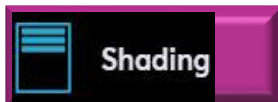
Our presence detection goes beyond simple motion sensors. We leverage in a **combination of sensors** to provide a more accurate picture of **occupancy**

That is:

- **Motion Sensors:** Detect movement.
- **Acoustic Sensors:** These built-in mics pick up sounds like talking or footsteps, further confirming presence even if someone is still for a period.
- **Brightness Sensors:** These measure ambient light levels,

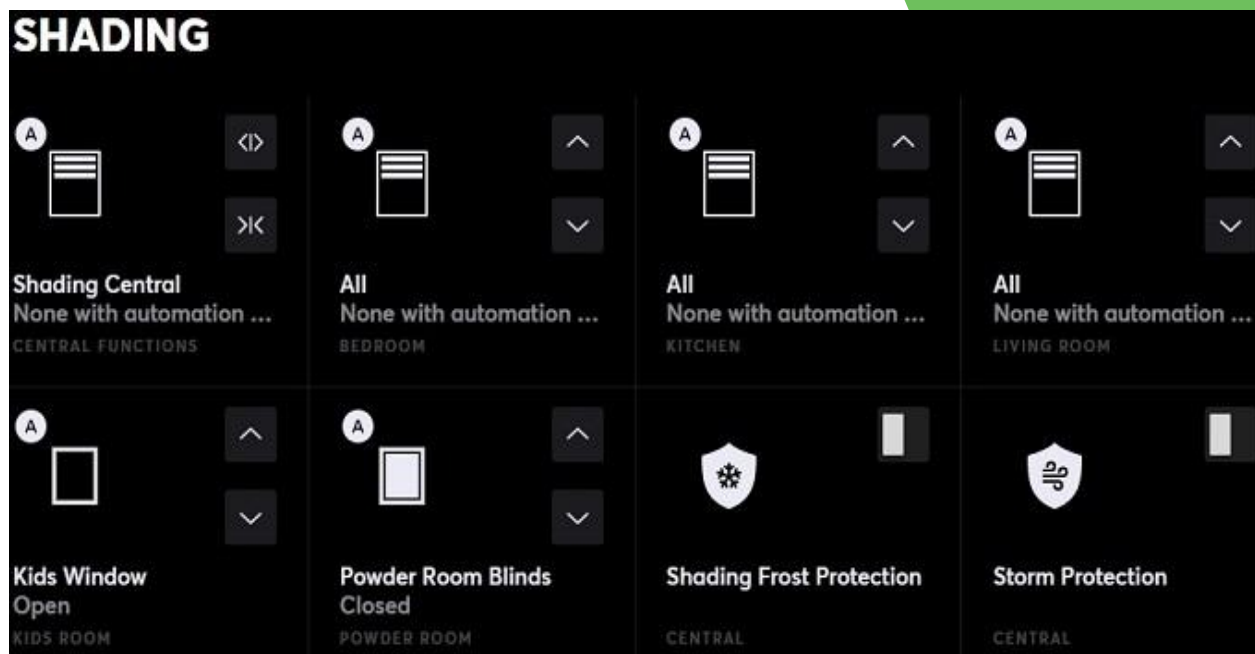
PRESENCE DETECTION

Bathroom >		Presence active		Message History	
	Presence Presence active		Apr 10th, 2024		
			06:30:27 AM	Presence detected Presence Detector	
Bedroom >		Active since	06:30 AM		
		Message History	>	06:04:12 AM	Presence ended Last presence: Presence Detector
	Presence No presence				

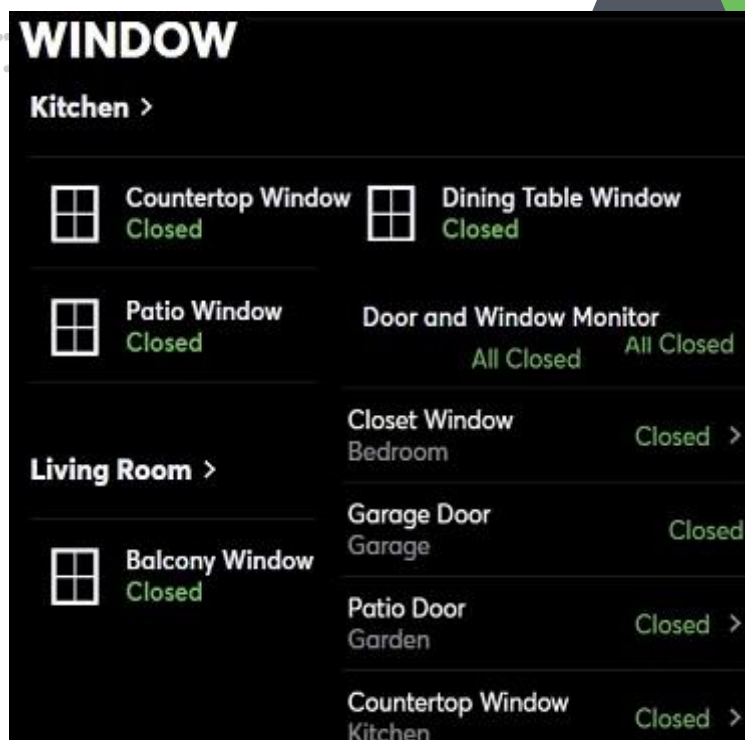


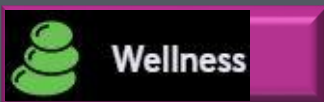
Automate and control **blinds, curtains, awnings,** and **shutters** in your smart home

Blinds know how to coordinate with the **sun position,** **temperature** and **custom schedules** for cost-effective heating.

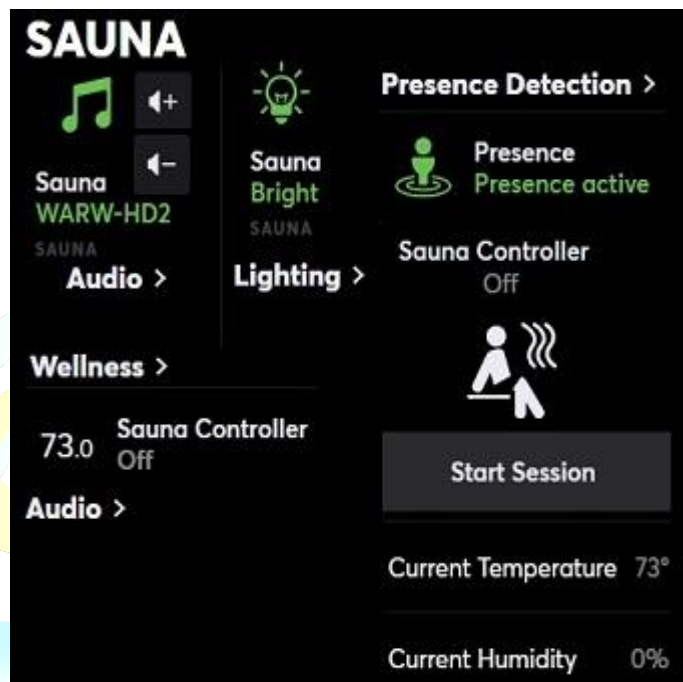


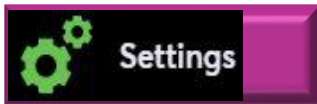
The door and window solution provides a combination of **security, energy savings,** and **automation** for your building providing various functions beyond just indicating open/closed status.





- The technology is designed to create a relaxing and comfortable atmosphere in your wellness areas, such as saunas, pools, and relaxation rooms
- **Sauna Control:** We offer a sauna module that regulates temperature and lighting based on pre-set preferences. It can also integrate with safety features like thermostats to prevent overheating
- **Pool Control:** Automate pool functions like filtration, chlorination, and heating. This ensures proper pool maintenance and comfortable water temperature.
- **Relaxation Room Ambiance:** Lighting controls with RGBW strips allow you to create calming coloured lighting for a spa-like atmosphere. You can also integrate music systems for a complete sensory experience.





Defined **operating modes**; **All Out**, **Away**, and **Night Mode**, allow you to control various aspects of your smart building with a single setting.



Away Mode:

- **Purpose:** This mode simulates your presence when you're away for shorter periods, offering a balance between security and energy efficiency.
- **Actions:** Here are some typical Away Mode actions:
 - Lights can be programmed to turn on/off at certain times to mimic occupancy.
 - Thermostats might be adjusted slightly for a more comfortable temperature upon your return, but still prioritize energy saving compared to regular operation.
 - Security features like door/window sensors and cameras might be heightened.

Night Mode:

- **Purpose:** This mode optimizes your home for sleep and relaxation.
- **Actions:** Night Mode might involve:
 - Dimming lights or setting them to pre-defined night-time colors for a calming ambiance.
 - Adjusting thermostats for a comfortable sleeping temperature.
 - Silencing notifications or alerts from some smart devices.

ALL Out Mode

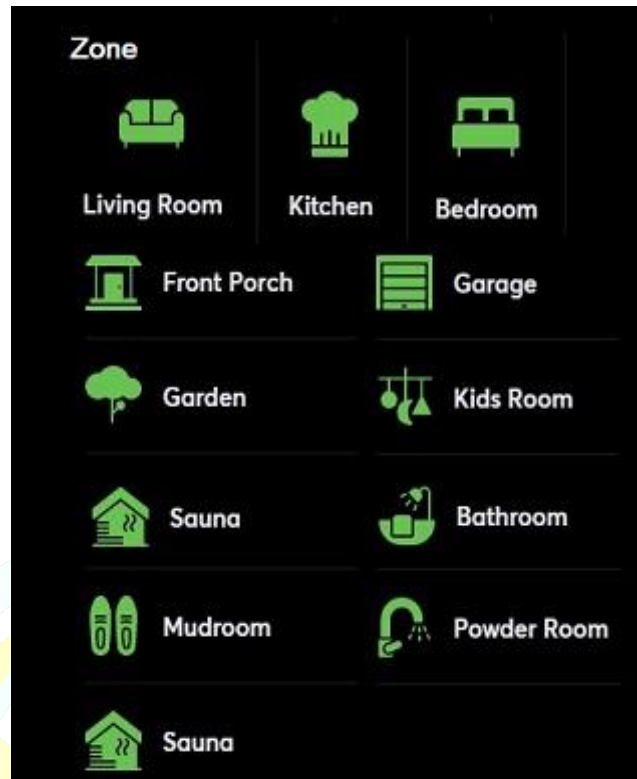
- **Purpose:** This mode is designed to completely shut down or minimize power consumption in your premises when you're away for extended periods like vacations.
- **Actions:** Can be programmed to take actions such as:
 - Turning off lights (except for strategically placed security lights)
 - Lowering thermostats significantly to reduce heating/cooling demands
 - Putting certain devices in standby mode
 - Disabling features not essential for security or minimal background functions

SERVICES

Zone

Our app is known for its user-friendly interface.

- **Simple and Clean Layout:** The app utilizes a clear and uncluttered layout, making it easy to navigate and find the information you need.
- **Room Icons:** Rooms in your house are typically represented by easily recognizable icons. This provides a quick visual reference to identify the specific area you want to control
- **Intuitive Symbols:** Use of reasoning symbols throughout the app to represent various functions like lighting, temperature, blinds, and audio.



- These symbols are generally standardized and easy to understand without needing excessive text labels.

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The background of the advertisement is a composite of two photographs. The top photograph shows a woman with long, wavy brown hair, wearing a grey cardigan over a dark top and grey trousers, sitting cross-legged on a grey sofa with a green cushion. She is smiling at the camera. The bottom photograph shows a young child with blonde hair, wearing a white shirt and green overalls, sitting at a wooden table. The child is holding a small, light-colored stuffed animal. The background of the child's photo appears to be a kitchen or dining area with a sink and faucet. The title text is overlaid on a dark grey diagonal band that runs from the top left to the bottom right.

THE NEW STANDARD OF BUILDING AUTOMATION

Who doesn't know the indescribable feeling of when things just work out the way we want them to. This is why the perfect home works on autopilot: since it knows our routines and habits, your home can anticipate and take over tedious, daily tasks for you. For instance, when you enter the living room during evening hours, your home puts on dim lighting only so you can wind down before bed. At the same time, the blinds shut down by themselves to protect us from prying eyes. The room maintains a comfortable temperature until we switch to the bedroom and turn on the eco mode for the night. Also, the car starts charging once electricity is free or at a low rate. Ultimately, this means living without compromises. Every single day.

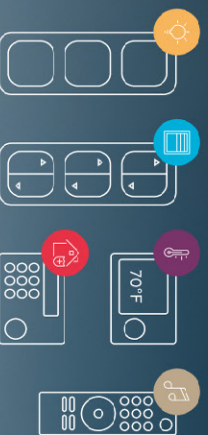


More Information

THE EVOLUTION OF BUILDING AUTOMATION

What is home & building automation? How did it start, and how did it evolve? We could write books on this topic, however, the evolution of building automation can be described by three distinct levels.

1.0 Automation



New Technologies

Alarm systems, motorized blinds, and more make their way into buildings. However, this doesn't change much, everything is still controlled manually.

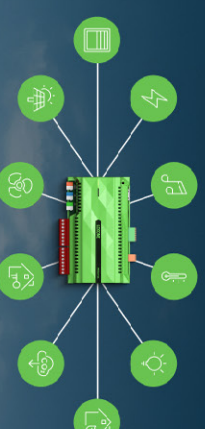
2.0 Automation



Apps and Voice Assistants

This is the norm in many places today. Numerous isolated solutions with apps and voice assistants make controlling your building complicated.

3.0 Automation



True Automation

The building acts as a unit and knows exactly what it needs to do all by itself. This way, it takes over thousands of menial tasks each year.





FEATURE CATALOGUE

Lighting

Presence-activated lighting

Lights will come on when a Presence Sensor detects motion.

Lights can mimic occupancy when you're out

As a deterrent, lights in your home turn on and off periodically, making it seem like someone is at home.

Lights turn off automatically when not needed

Depending on the room, lights will turn off if no motion has been detected for a set period of time.

Conveniently switch off all lights from one switch when leaving your home

You'll never have to worry about lights being left on again. You can switch off all the lights in your house using the switch by your front door as you leave.

Factors in natural light levels

If a room is already filled with enough natural light the lights in that room will not turn on with motion to save energy.

Central monitoring and control of lighting in the app

You can conveniently check the app to see if lights are on or off and even control them whether you're at home or not.

Lights stay on if noise is detected in that room

If you are watching the TV in the living room, for example, the noise from this will keep the lights on even if no motion has been detected.

Dimmable lighting

With this feature, the brightness levels of light can either be adjusted in the app, or set levels can be selected via a switch.

Night Mode lighting

When you're ready for bed, any motion in rooms with dimmable light will activate to gently light your path, without waking anyone who is still asleep.

Undercounter/cabinet LED lighting

Additional task lighting can be installed in select rooms, which can be controlled separately from the main lighting.

Option for lights to flash when doorbell is pressed

You can choose to have the lights in specific rooms flash subtly when the doorbell is pressed.

Colored lighting

This option of lighting can be set to almost any color you can think of. You can select predefined colors from the switch in that room or enjoy even more control from the app.

AND MUCH MORE!

HVAC

Temperature and humidity monitoring

The temperature and humidity level in each room is measured with the built-in sensors in each switch.

Temperature is maintained when you're still in the room

If you are still in a room and the system is scheduled to turn off, the temperature will be maintained for as long as motion is detected.

Individual room control

You can set a suitable comfort temperature for each room in your building.

Frost Protection and Overheat Protection

Your HVAC system ensures the temperature in any room never drops below or rises above a set point.

Intelligent learning

Your system will learn how long it takes to reach the temperature that you have set for each room to ensure rooms are always at the right temperature at the right time.

Statistics in the app

You can monitor the usage and performance of the heating and cooling system throughout your building.

Weekly schedule with holidays and custom calendar entries

More than just a Monday through Sunday schedule: you can customize exactly when the heating and cooling system should be on or off, taking into account school & public holidays and when you are returning from vacation.

Optional maintenance reminders

Depending on your heat source you can be reminded of required annual maintenance, the changing of filters, etc.

Notifications of changes to the system

You can be notified should the system detect any unusual behavior.

Central monitoring and control of heating and cooling in the app

At a glance, you can see the current temperature in each room and whether the system is on in those rooms. You can also edit the heating and cooling schedule and define the various temperature set points.

AND MUCH MORE!

Security

Presence-based burglar alarm

The burglar alarm is triggered if motion is detected inside your home when it shouldn't be.

Easy day and night arming options

Your burglar alarm can monitor different motion sensors, for example, upstairs or downstairs, based on whether you're arming the burglar alarm during the day, while everyone is out or at night while everyone is asleep.

App notifications when something is amiss

If the burglar alarm is triggered, you will get a notification, e.g. via app, call, message, text-to-speech, etc. to let you know which sensor has been triggered.

Lights can flash throughout your home when the burglar alarm is triggered

You can choose to have the lights in your home linked to the burglar alarm so that they flash as a deterrent during a potential break-in.

Delayed arming feature

You can specify a set number of seconds before the alarm is armed, giving you enough to leave your home after setting the alarm.

Multi-staged alarm

If your alarm is triggered, you will first receive a notification of your choosing, e.g. via app, call, message, text-to-speech, etc. Depending on the additional features in your building, the next stages can include visual and audible elements.

History logs

In the app, you can view a recent history of the exact sensors that had led to the burglar alarm being triggered and at what time this happened.

Optional panic buttons

You can choose to include a feature whereby a long press on chosen switches can send a panic notification to other members of the household.

Central monitoring and control of burglar alarm in the app

For peace of mind, whether you are at home or away, you can view the status of your burglar alarm, as well as set or unset it from the app.

All speakers will sound if burglar alarm is triggered

You can choose to have any or all of the multiroom speakers in your home play an alarm siren sound, or a specific audio file of your choosing, if the burglar alarm is triggered.

AND MUCH MORE!

Multiroom Audio

Play music in different rooms

Play your favorite song via speakers in different rooms at the same time, or control the music individually.

Music can start automatically when entering a room

You can choose to have music automatically start to play as you enter a room. You can customize which music starts to play, at what volume and at what time of the day this should happen for each room.

Control music from the switch

You can conveniently play & pause, control the volume and even change what's playing from the switch in that room.

Central control of music in the app

The app gives you complete control over what you want to play in each room. You can see at a glance which room is playing music, change what is being played and adjust the volume.

Option to play predefined messages based on events in your home

Predefined messages and reminders that you have set can play through speakers in chosen rooms based on conditions such as time and date.

Record your own announcements to play in different rooms

In the app, you can record a quick voice note and choose to play it over the speakers in specific rooms.

Stream audio from Spotify & TuneIn

With support for Spotify & TuneIn, you can choose any music, radio station, podcasts, etc. from these services to play in your chosen rooms.

Support for Apple AirPlay

With AirPlay technology, you can play music from your iPhone, iPad or Mac through the speakers in a chosen room.

Option to have your favorite playlist wake you up the morning

You can have music or a radio station gradually start to play at a specific time in the morning to wake you up.

Set individual music favorites in each room

Depending on the room, you can choose to have a selection of your favorite music playlists, radio stations or podcasts conveniently available to select from the switch in that room.

Conveniently switch off audio from one switch when leaving your home

When leaving your home, you can turn off all music playing in any of the rooms from the switch by the front door.

Speakers play a notifications when you have a visitor

When someone rings the doorbell, a chime will play in the rooms with speakers. If music is already playing in a room, it will be paused for the chime to play and then the music will resume.

AND MUCH MORE!

Access

Access via Code & NFC

With Loxone, access is more simple than ever. Just hold your NFC Key Fob up to the NFC Code Touch or use your code and the door will open. – it really is that simple! You can also set individual functions to be triggered by a specific code. You could open the garage door by pressing 5 then entering your code.

Individual access rights for everybody

You can use the app to assign specific access rights. If a friend needs to pick something up while you're out, simply give them a one-time code which will only work on that occasion. If the cleaner comes at 3 pm every Friday, assign them a time-based code.

Keypad with fob reader to disarm burglar alarm

Each member of the household can conveniently disarm the burglar alarm using either a unique pincode or a secure fob.

HD video intercom to see and speak with anyone at your front door

With the app, you will be able to see who is at your front door from your smartphone or tablet. You will also be able to answer the intercom to speak with your visitor.

Connect to your intercom even when you're not at home via the app

Even when you're not at home, you can see or speak with visitors at your front door via the app.

Answering message

If you're not available to personally answer the intercom, you can use the app to choose to play a predefined message through the intercom based on who is at your front door.

Access and recent visitor history in the app

You can choose to have your intercom take a photo when someone rings your doorbell. Via the app, you can view a recent history of your visitors as well as a log of when the keypad was used.

App notifications when someone rings the doorbell

Whether you're home or away, you will be notified that someone is at your front door via the app.

AND MUCH MORE!

Central Features

Night Mode

Features can perform different tasks at night, when it's time to rest for the family and the home. For example, the lighting changes to a cozy level, the audio plays at a lower volume, the doorbell is muted, and only certain sensors are monitored by the burglar alarm. This can be activated via a bedside switch or the app.

All Out Mode

Features can also perform different tasks when everyone is out for the day. This includes turning off all lighting and music, following a set heating and cooling schedule and arming the alarm fully. This can be activated via a switch in your hallway, or via the app.

Room Off

The last person leaving a room can conveniently turn off all lighting and music with a simple double-tap on the switch in that room.

Away Mode

Features can perform differently when you are away for an extended period of time such as on vacation. This includes following a holiday heating and cooling schedule with Frost Protection, mimicking presence and setting the burglar alarm fully. This can be activated via the app.

Potential for Customizable Modes

When speaking with your installer, you can choose to have additional operating modes set up based on the features you have chosen for your home. This can include an entertaining mode or vacation mode. Here, the lighting, HVAC and security perform differently.

AND MUCH MORE!

Other Features

Free app control for the whole family

There is no limit to how many family members can download the free app. Speak to your Loxone Partner about creating unique logins for each member of the household.

Option to create your own automatic rules

In the app, you can create your own automation rules from your chosen features.

Option to create your own sequences

If you find that you are often using the same features together in the app, you can create your own sequence to trigger these actions together.

System Status messages

Similar to the lights on the dashboard in your car, the app will show you important information about your system.

Simple, unified switches

Interacting with the features in your home should not be complicated. A familiar switch in each room offers an intuitive and consistent ease of use for the whole family and any visitors.

Connect with your home on the go securely via the app

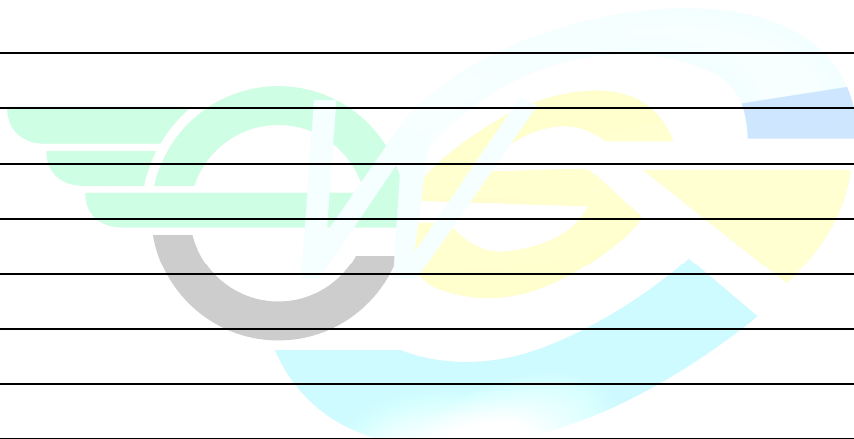
You can connect with your building even on the go via the app. To protect your data and privacy, the communication between your home and the app is fully encrypted, so your data stays with you only.

Smart bedside alarm clock with control for lighting

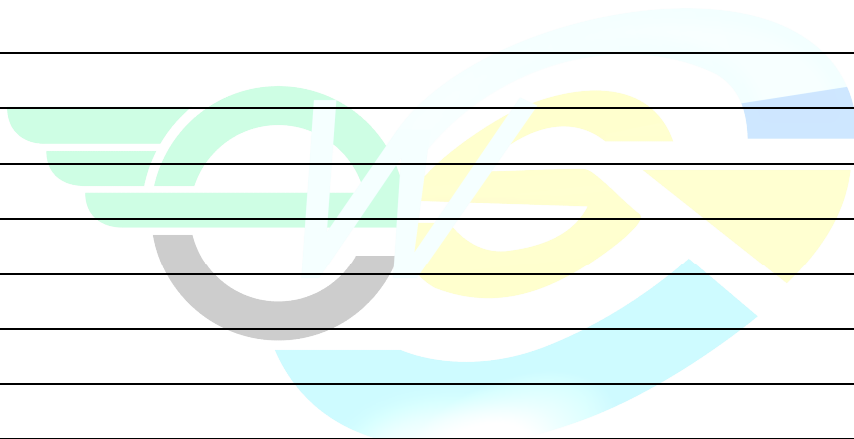
This standalone device can be placed next to your bed, giving you another familiar point of control for the features in your home.

It includes a built-in alarm clock and color-changing light.

AND MUCH MORE!



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Smart Spaces. Designed Around You.

From private homes to mission-critical commercial environments, we design intelligent automation tailored to how you live and work.

Tailored Automation for Every Environment

Residential Living



Smart Homes
& Apartments



High-end Villas &
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