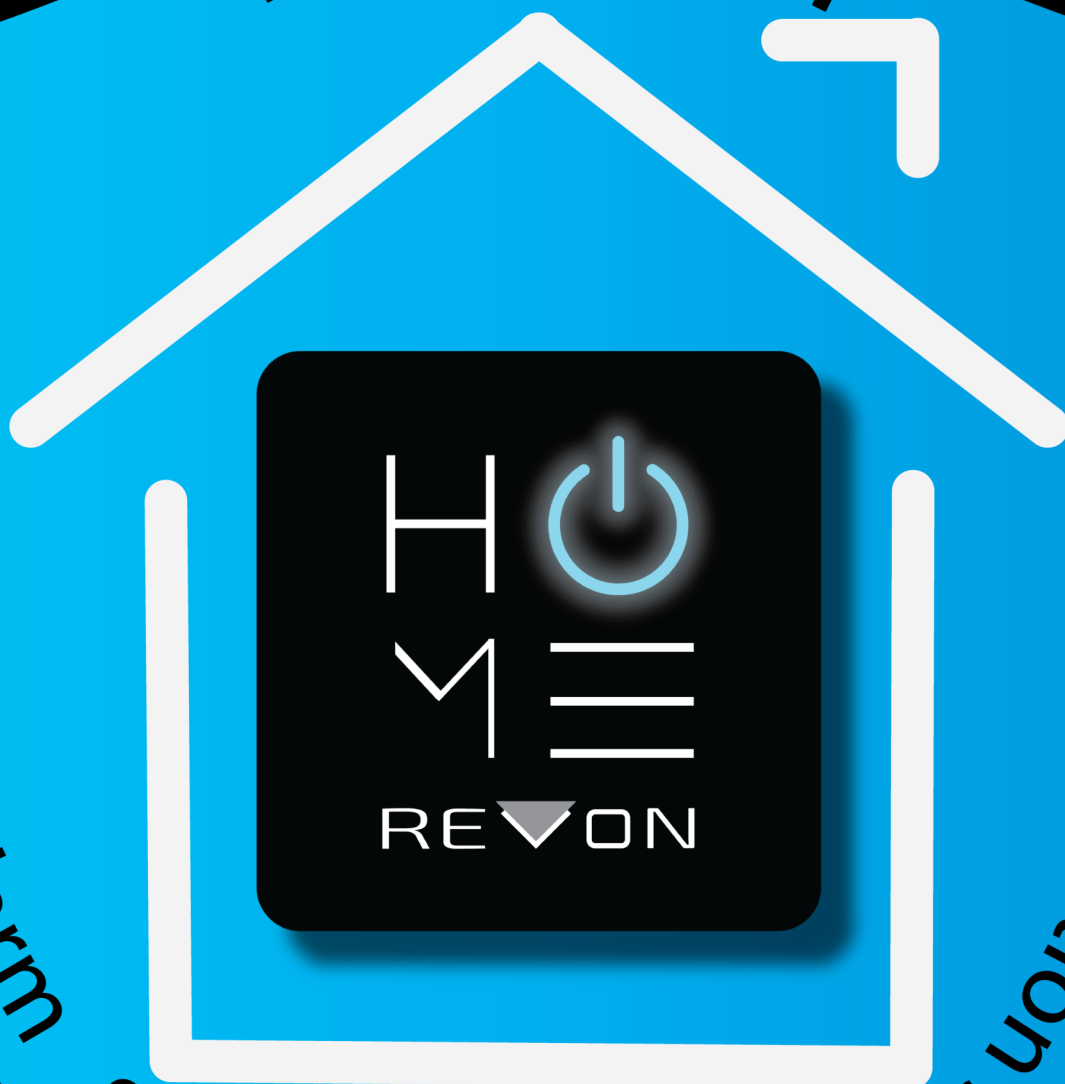


HomeRevon



Advanced Alarm System

Smart Automation System

PRODUCT CATALOGUE

Ver. 1.0



Automate. Secure. Simplified.

Automating Homes & Businesses

A little about us :-

We are a provider for automation system for homes and businesses, offering a personalized and unified smart home system to automate and control connected devices including lighting, video surveillance, auto gate controls, climate control & security. Founded in 2020 by a group of software and hardware engineers, HomeRevon then released its first products in the year of 2021, as an entrant to the home automation & security market.

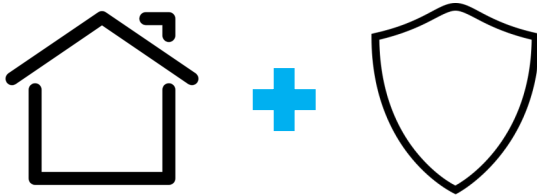


Our mission :- Making home automation better for everyone

HomeRevon operate on a pretty simple set of principles. Our smart home system must provide the ease of use, reliability, security & performance of local-managed automation while also leveraging the globally-connected power of emerging cloud technologies. Our other products must offer great innovation, value & especially meaningful impact on people. Above all, our products must be easy to install & affordable. If you're not happy, we're not happy.

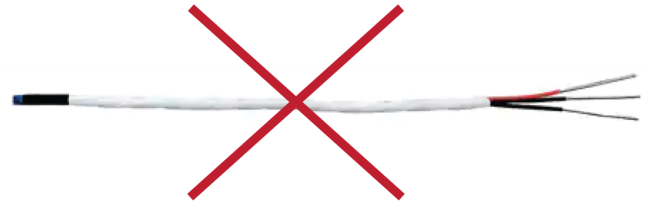
Why HomeRevon ?

2 in 1



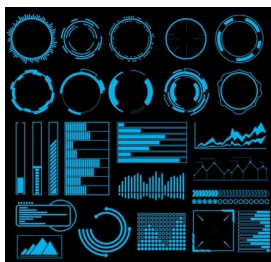
Automation and alarm in **1** System APP
Simplified. Economic.

Wireless



Wireless solution, no drilling, no mess.
Save time. Save cost.

Level 5 Automation



Highly intelligent helping hand.
Advanced. Futuristic.

Offline Automation



Local helping hand.
Automations and Alarms work without internet.

Autogate reimagined



Live status feedback.
A true Smart Gate.

Advanced Alarm System



Multiple Modes and Partitions.
Entry and Exit Timer. Anti-False Trigger.

Why HomeRevon ? cont...

Anti-Sabotage



Get alerts when there are any malicious attempts on your alarms system.

Protect your loved ones at all times.

Voice Siren



Scream for "help" and produces dog barking sound in any alarm scenario.

Scare away the intruders.

Google Home



Use your voice to turn on lights and control for other devices, as our system works with google assistant.

Convenient. Hassle-less.

Hawkeye



By integrating to your CCTV system, our app will direct you to the particular camera when your alarm system is triggered by the particular sensor.

Your private security guard.

Automation Intelligence Level

The automation intelligence level of HomeRevon is up to **Level 5**



Level 0	Level 1	Level 2	Level 3	Level 4	Level 5
No Automation	Remote Control	Scene Control	Scheduling	Task (IFTTT)	Variable

What does the human have to do?

You are physically there to turn on/off switch

You can remotely control and monitor your devices provided with internet connection

You are not manually controlling devices when these automated features are used, it can be configured based on conditions to be triggered automatically

What does the features do?

Manually control devices by physical touch

Using apps/software to control & check status of devices

Send a group of control commands

Fully automated based on time

Fully automated based on condition of multiple devices and/or time

Fully automated based on condition of devices and/or time and/or variable

Example Features

None

Turn On/Off Switch using apps or pocket remote

Activate I'm Away scene using apps

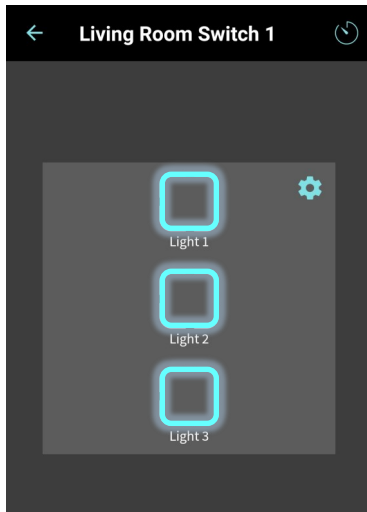
Turn On Car Porch light at 7pm

If motion is detected, turn on light for 3 mins

Press button 3 times to arm the alarm

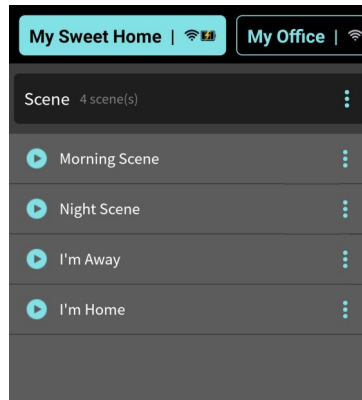
HomeRevon Intelligence Level

Level 1
Remote
Control



Turn On /Off living room lights **manually** using HomeRevon apps.

Level 2
Scene
Control



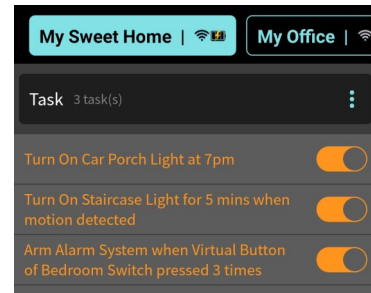
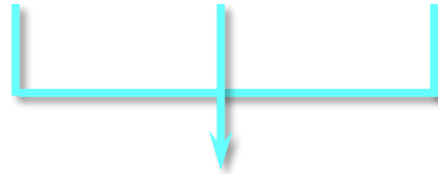
Turn on car porch and multiple living room lights by **pressing** the "Night Scene" using HomeRevon apps.

Turn off all lights and arm the alarm system by **pressing** a single button "I'm Away" using HomeRevon apps.

Level 3
Scheduling

Level 4
Task
(IFTTT)

Level 5
Variable



Scheduling →

Automatically turn on car porch light at 7pm.
(Automated based on time)

Task →

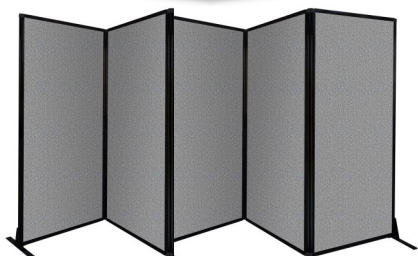
Automatically turn on staircase light for 5 mins at night when someone is pass by. (Automated based on time and motion sensor)

Variable →

Automatically arm the alarm system when virtual button of the bedroom switch is pressed for 3 times. (Automated based on variable)

HomeRevon Advanced Alarm System

16 Modes / Partitions



There are total of 16 modes (partitions) in our alarm system. Each of the mode would have their independent settings.

Multiple Voices Siren



There are multiple of voices can be selected for the siren to produce when alarm is triggered.

Entry and Exit Timer



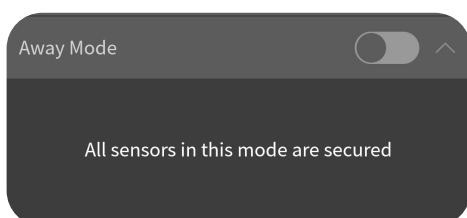
Entry and exit delay timer can be set, in order to allow the user to enter or exit the house after arming the system.

Anti-False Trigger



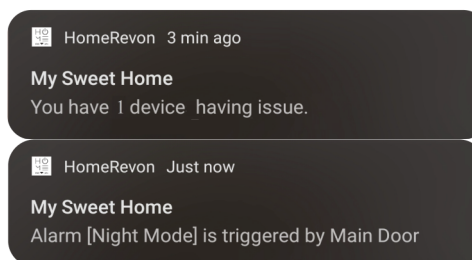
Can be configured to counter the false triggered sensors (if any).

Simplified UI



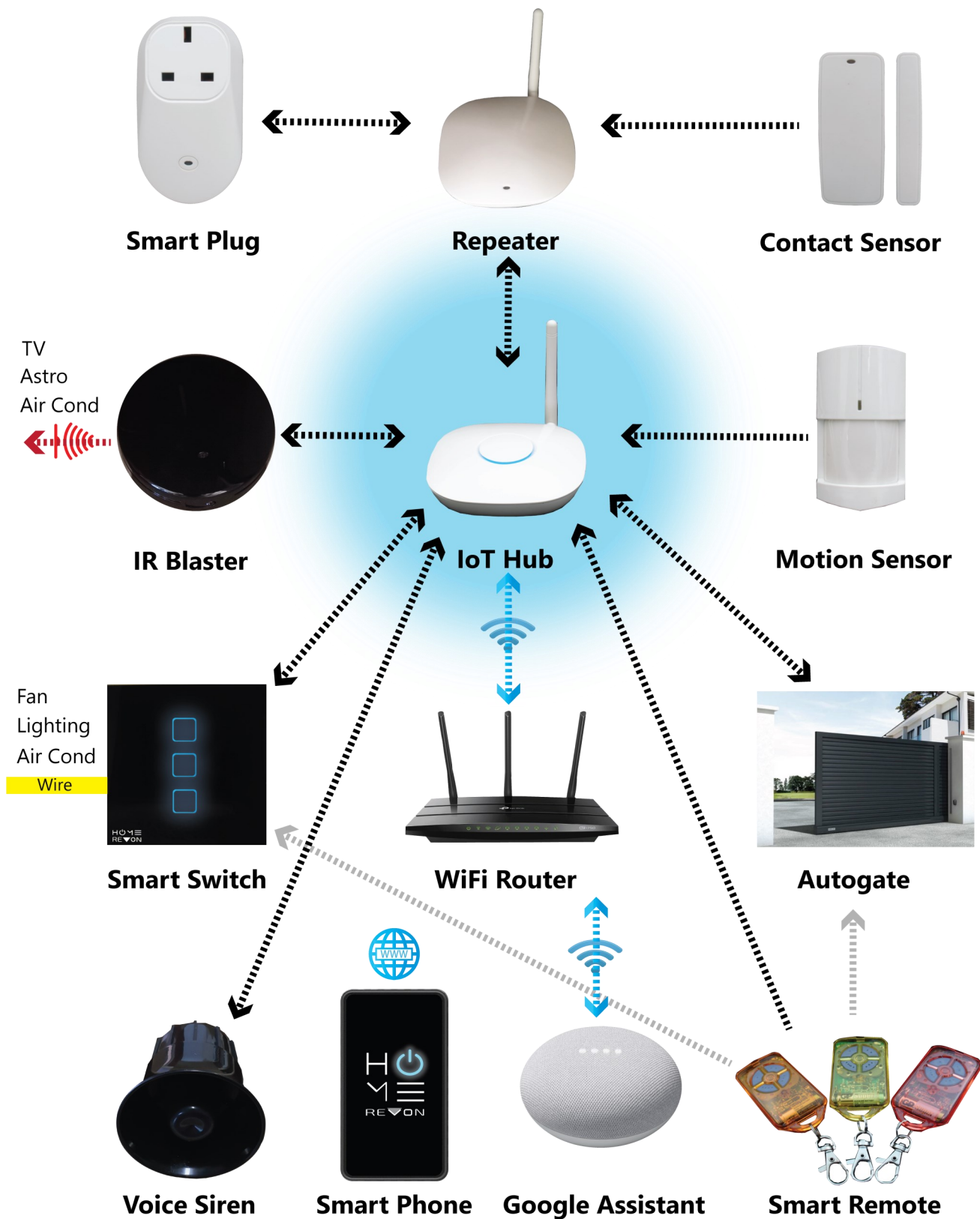
Our app only provides information that is necessary for quicker one glance checks.

Push Notification



Get alerts when your alarm is triggered or any unusual behavior of devices are detected.

HomeRevon Ecosystem





LEGEND : IR Signal WiFi Signal 433MHz Signal

IoT Hub



- ◆ The brain of the HomeRevon automation and security system.
- ◆ A middle man to communicate between HomeRevon devices and the cloud.
- ◆ WiFi connected.
- ◆ Make all the devices controllable via the HomeRevon app around the world.
- ◆ Able to work **WITHOUT** an internet connection after setup.

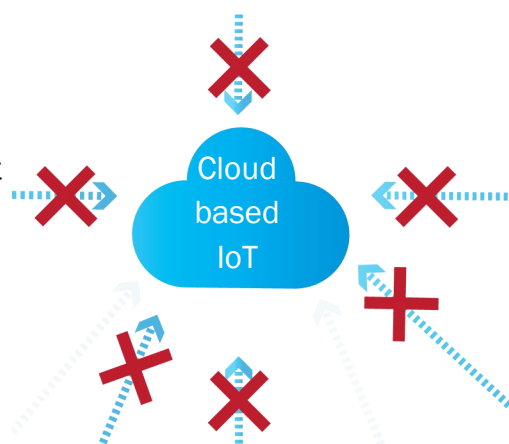
Technical Specification

Input Rating	5V  1A
Battery Rating	3.7V  1800mAh
Battery Life	24 Hrs
Charging Time	3 Hrs
Supported Devices	Contact Sensor : 200 PIR Motion Sensor : 95 Pocket Remote : 55 Smart Switch : 127 Smart Socket / Plug : 95 IR Blaster : 55 Siren : 15 Autogate : 7 Signal Repeater : 30 Other devices : 255
WiFi Standard	2.4 GHz (802.11 b/g/n)
WiFi AP Name	HOMEREVON
WiFi AP Password	
Signal Frequency	454MHz
Signal Coverage	200m open space (up to few km with repeaters)
Connector Type	Micro USB
Dimension (w/o antenna)	107 (L) x 107 (W) x 30 (H) mm

On-premise vs Cloud

For cloud based automation systems, their brain is located in the cloud. If there is no internet connection, the system might not function properly.

The brain of our HomeRevon system is located in the IoT hub. If there is no internet connection, the whole system is still functioning as usual including the alarm system. Only app control function is limited.





Battery backup

For security purposes, the battery backup becomes an important requirement so that the alarm system is still fully functioning even if the power is cut off.

Signal Repeater

Technical Specification

Input Rating	5V  1A
Battery Rating	3.7V  1800mAh
Battery Life	48 Hrs
Charging Time	2.5 Hrs
Supported Devices	Contact Sensor : PIR Motion Sensor : Pocket Remote : Smart Switch : Follow Hub Smart Socket / Plug : Follow Hub IR Blaster : Follow Hub Siren : Follow Hub Autogate : Follow Hub <div style="float: right; text-align: center;"> } Total 128 </div>
Signal Frequency	454MHz
Signal Coverage	200m open space
Connector Type	Micro USB
Dimension (w/o antenna)	107 (L) x 107 (W) x 30 (H) mm

- ◆ To extend the signal coverage of all the HomeRevon devices.

No setup required



Our signal repeater will work, by just simply adding into our system using our HomeRevon app. No hassle set up is needed.

Battery backup



For security purposes, the battery backup becomes an important requirement so that the sensor signal still relays properly back to the IoT hub even if the power is cut off.

Smart Switch

Technical Specification

	Lighting Switch	Air Cond Switch
Input Rating	220 - 240VAC 50 / 60 Hz	220 - 240VAC 50 / 60 Hz
Neutral Requirements	No	Yes
Maximum Power Rating	200W (eSwitch-T-1G/3G) 950W (eSwitch-R-3G)	15A
Minimum Load	10W (eSwitch-T-1G/3G) 5W (eSwitch-R-3G)	N/A
Standby Power	< 0.02W	< 0.1W
Supported Scenes	40	40
Signal Frequency	454MHz	454MHz
Signal Coverage	150m open space (up to few km with repeaters)	150m open space (up to few km with repeaters)
Dimension (L x W x H)	86 x 86 x 33 mm	86 x 86 x 33 mm

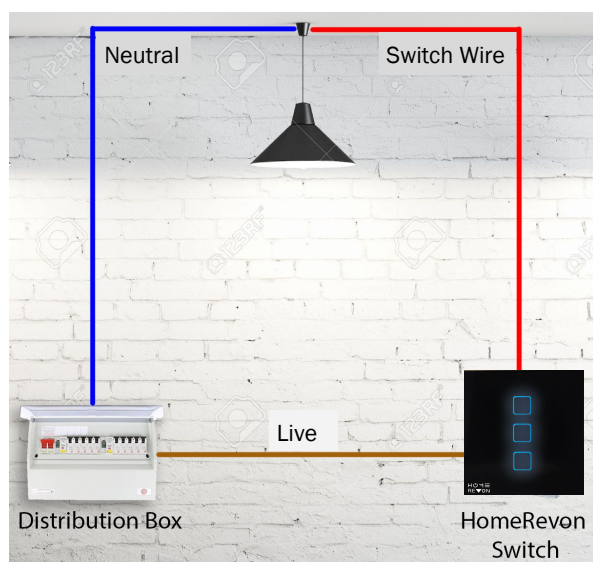
Lighting Switch

Air Cond Switch

- ◆ To replace conventional mechanical wall switches.
- ◆ With our HomeRevon Smart Switch, you are able to turn on and off lightings, fans and air-conditioners at all around the world with a smartphone.
- ◆ Our smart switch is also able to turn on and off manually by touch.

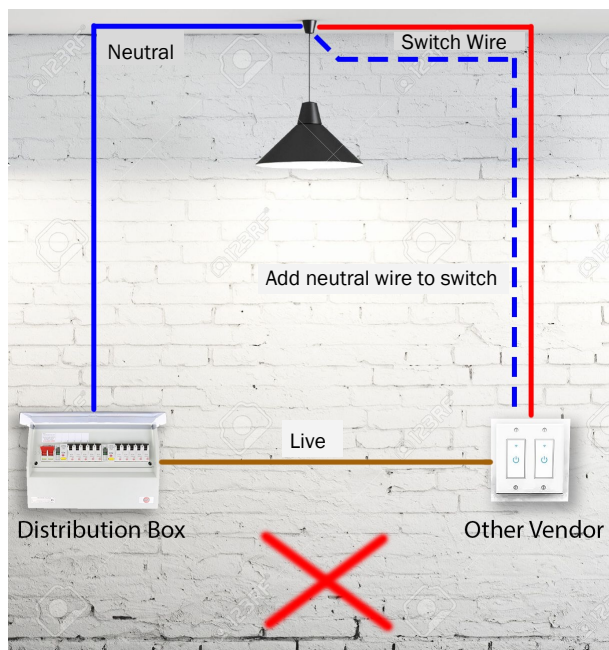
Neutral-less and capacitor-less design

Every electronic device or electrical appliances need positive and negative or live and neutral to operate. But, lighting switch does not comes with neutral wire behind the wall as shown in the diagram below:



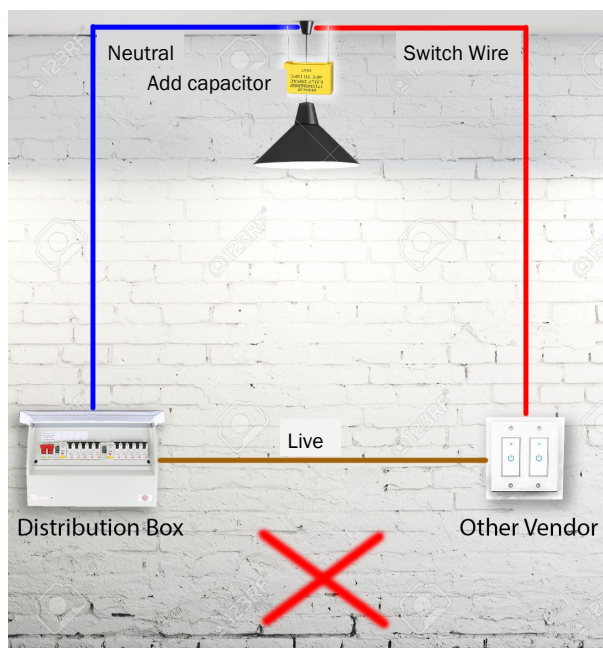
- * HomeRevon smart switch is a **clean plug and play** drop in replacement for mechanical switch.

Some of the electronic switches in the market need extra wiring to get the neutral wire, which needs extra work and extra labor cost.



- * Additional wire is need for the switch.
- * Require hacking, surface wiring or structure modification.

While, for other electronic switches in the market that do not need neutral wire, they might face light flickering issues when the load (light bulb) is less than 20W. To solve this problem, an additional electronic component called “capacitor” needed to be installed on the light bulb above the ceiling, which needed extra work and extra labor cost.



- * Some vendor solution required to climb up the ceiling and add a capacitor across the lamp.
- * Without the capacitor the lamp will result in flickering.

Our HomeRevon Smart Switch does **NOT** need neutral wire and capacitor to operate as compared to other electronic switches in the market.

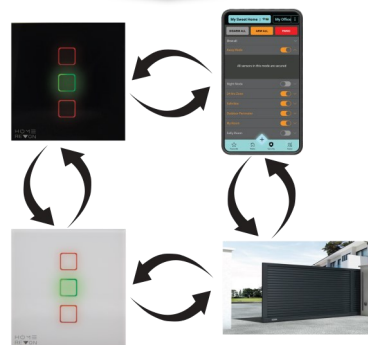
Save wiring. Save time. Save cost.

Works with ceiling fan



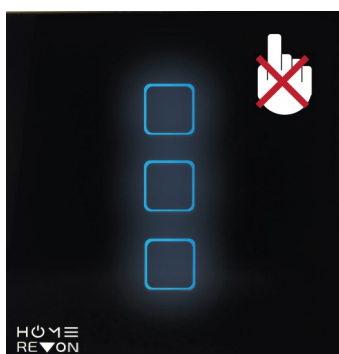
Works with almost all types of ceiling fans.

Virtual Button



Unused gang (button) of the smart switch can be configured as a virtual button to activate scenes, or to turn on and off other HomeRevon smart switches, activate panic and etc.

Disable Touch



Physical touch control of each gang (button) of the switch, can be disabled in public area to prevent unauthorized access.

Ultra Low Power Consumption < RM 0.003



Energy consumption by our smart lighting switch is less than **RM 0.003** per **month** (RM 0.015 for air-cond switch). By using our smart switches, your electricity bill will even lower when your air-conditioner is automatically shut down when not in use.

Contact Sensor

Technical Specification

Power Requirements	2 x AAA Batteries
Battery Life	Up to 7 Years*
Standby Current	0.01mA
Peak Current	65mA
Signal Frequency	454MHz
Signal Coverage	100m open space (up to few km with repeaters)
Dimension (L x W x H)	95 x (40 + 14) x 20 mm



- ◆ To detect opening and closing of doors and windows.
- ◆ It is a supportive device in automation and a key device in security systems.

Anti-Tampering



During office hours, usually the alarm system will be dis-armed. Some of the alarm system in the market will not be triggered when the sensor is tampered by an intruder. At night, after office hours, due to the tampered sensor, intruders are able to break in easily and freely without activating the alarm system.

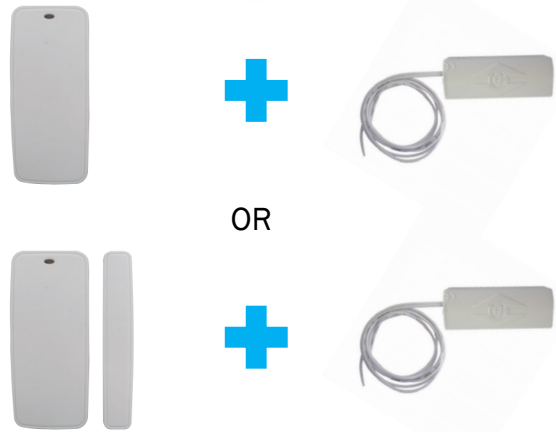
Our HomeRevon contact sensor comes with anti-tampering features to prevent tampering during dis-armed and armed state. When the contact sensor is detached from the original location, the alarm system will be triggered regardless of the arming status.

False Contact Detection



Able to detect false contact created by external magnets. When there is an external magnetic field detected, the alarm will be activated instantly regardless of the arming status.

Vibration Sensor



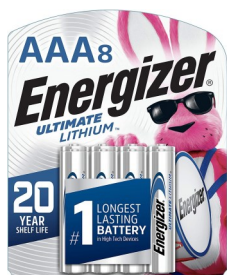
HomeRevon contact sensor is able to connect external vibration sensors to detect glass and window breaking.

Can work as a contact sensor to detect opening and closing of doors and windows, or as a vibration sensor to detect breaking of glass and windows, or work as **BOTH** contact and vibration sensor.

Super Long Battery Life*



Battery life lasts more than 3 years with Energizer AAA alkaline battery (Alkaline battery included, brand may vary depending on supply). Depending on usage, maximum lifespan of **7 years** with Energizer lithium battery.



Wireless



Battery powered, so that no extra wiring is needed, just plug and play.

Save wiring. Save time. Save cost.

PIR Motion Sensor



- ◆ To detect motion.
- ◆ It is a supportive device in automation and key device in security systems.

Technical Specification

Power Requirements	2 x AA Batteries
Battery Life	Up to 7 Years*
Standby Current	0.06mA
Peak Current	65mA
Signal Frequency	454MHz
Signal Coverage	100m open space (up to few km with repeaters)
Dimension (L x W x H)	97 x 53 x 36 mm

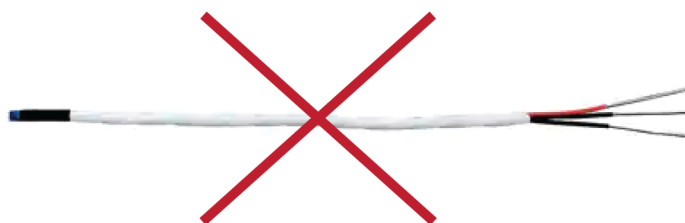
Super Long Battery Life*



Battery life lasts more than 3 years with Energizer AA alkaline battery (Alkaline battery included, brand may vary depending on supply). Depending on usage, maximum lifespan of **7 years** with Energizer lithium battery.



Wireless



Battery powered, so that no extra wiring is needed, just plug and play.

Save wiring. Save time. Save cost.

Voice Siren



- ◆ To produce voice and sound when the alarm system is triggered.
- ◆ Normal siren is available for a cost-effective solution.

Multiple voices



"HELP !"



Produce 4 types of sound including, normal **siren** sound, **chirping** sound, dog **barking** sound and "**help**" screaming, to attract people attention.

You are able to select the type of voice that the siren will produce when the alarm is triggered.

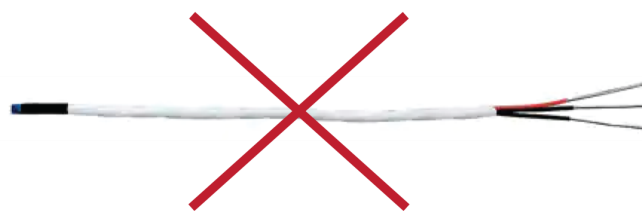


Battery backup

Technical Specification

Input Rating	19V  2A
Battery Rating	12V  7Ah
Battery Life	6 Days (Standby) 1.5 Hrs (Siren activated)
Charging Time	6 Hrs
Standby Current	35mA
Peak Current	1.6A
Signal Frequency	454MHz
Signal Coverage	200m open space (up to few km with repeaters)

Wireless



Our siren is running wirelessly without connecting wire to the IoT Hub, only power plug is needed. For a truly wireless solution, a solar panel could be installed as the power source.

Save wiring. Save time. Save cost.

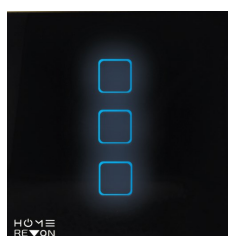
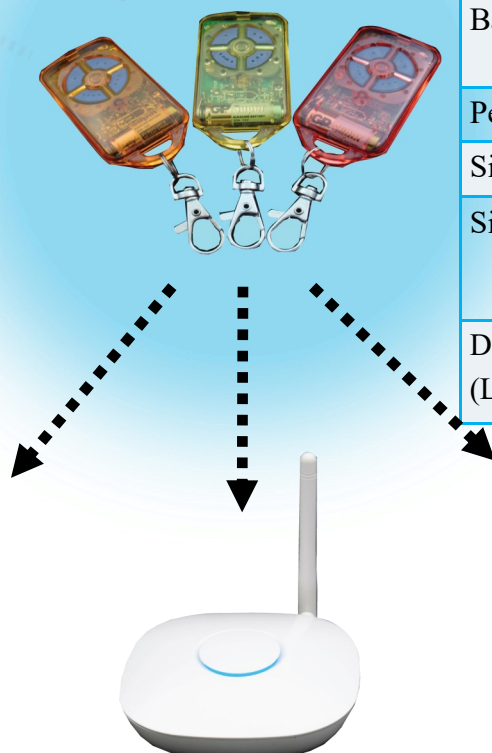
Siren is still able to run for up to 6 days when power is off.

Pocket Remote

Technical Specification

Power Requirements	1 x A23 12V Battery
Battery Life	2 Years (15 presses a day)
Peak Current	65mA
Signal Frequency	454MHz
Signal Coverage	100m open space (up to few km with repeaters)
Dimension (L x W x H)	68 x 35 x 14 mm

- ◆ Programmable to control almost every HomeRevon devices, including smart switches, arm/disarm security system, activate IR blaster, activate panic, activate certain scenes, and etc.



Battery low warning



Our HomeRevon app will notify you when the pocket remote battery is low.

Signal range extendable



HomeRevon pocket remote signal can be extended by Signal Repeater. In other words, when the user is pressing the pocket remote at the distance of 1km from the targeted device, the targeted device is still able to receive the signal from the remote, as long as Signal Repeater is installed in between.


Autogate Wireless Interface



(gate is not included)

- ◆ Act as a middle man to communicate between the IoT Hub (App) or Pocket Remote and the gate (motor).
- ◆ Using our HomeRevon app, you are able to check whether your gate is left open, and control the gate remotely.
- ◆ HomeRevon provides complete autogate system solution (Autogate motor controller board, Autogate Wireless Interface and Motors) but **NOT** including the gate.

Technical Specification

Input Rating	10 - 19V  0.1A
Standby Current	35mA
Peak Current	100mA
Supported Scenes	50
Signal Frequency	454MHz
Signal Coverage	200m open space (up to few km with repeaters)

Universal design



Our autogate wireless interface works with your existing autogate system.

Pedestrian mode



Always waiting to stop the gate while opening for someone to walk in? It's now automated, our gate will open up just enough for someone to walk through.


Notification for the forgetful



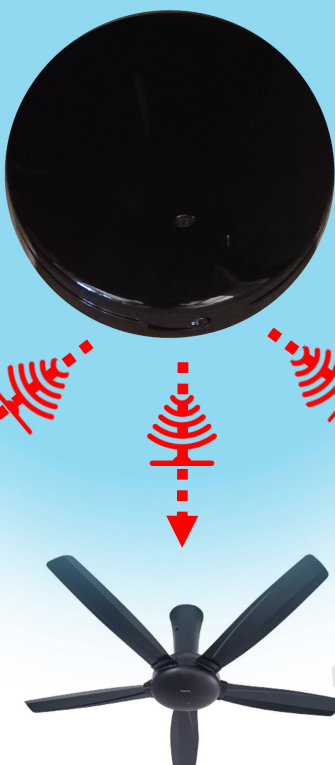
The notifications will be sent to your phone when the gates are not closed after the preset time.

IR Blaster

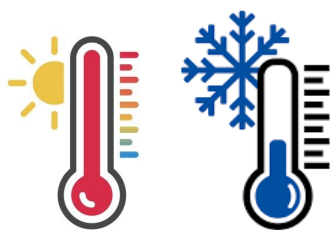
Technical Specification

Input Rating	5V  1A
Standby Current	35mA
Peak Current	1A
Supported Scenes	100 x 10
Signal Frequency	454MHz
Signal Coverage	150m open space (up to few km with repeaters)
Connector Type	Micro USB
Dimension (D x H)	84 x 24 mm (w/ bracket)

- ◆ Mimic any IR remote control including TV remote control, astro/njoi remote control, ceiling fan remote control, air-conditioner remote control, etc.

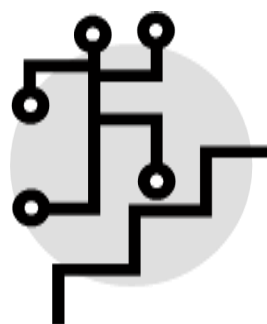


Build in temperature sensor



Able to adjust the temperature of the air-conditioners according to the surrounding temperature. Programmable to do other action according to the temperature change.

Future proof



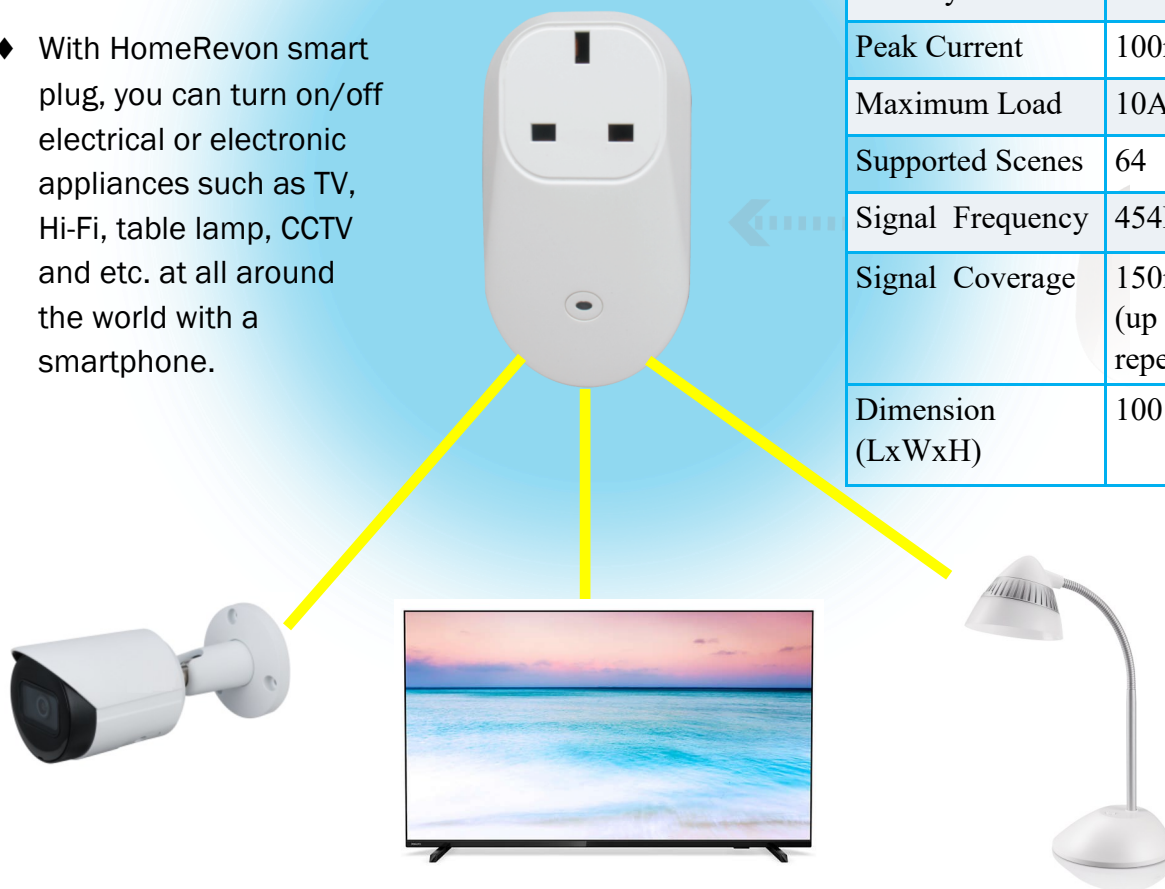
Able to mimic and copy most of the IR remote control in the market. No software or hardware updates is needed whenever there is any new IR remote control release in the market.

Smart Plug

Technical Specification

Input Rating	220 - 240VAC 50 / 60 Hz
Standby Current	35mA
Peak Current	100mA
Maximum Load	10A
Supported Scenes	64
Signal Frequency	454MHz
Signal Coverage	150m open space (up to few km with repeaters)
Dimension (LxWxH)	100 x 60 x 35 mm

- ◆ With HomeRevon smart plug, you can turn on/off electrical or electronic appliances such as TV, Hi-Fi, table lamp, CCTV and etc. at all around the world with a smartphone.



Current Ampere monitoring



The current usage of your electrical appliances are viewable via our HomeRevon app with our smart plug.

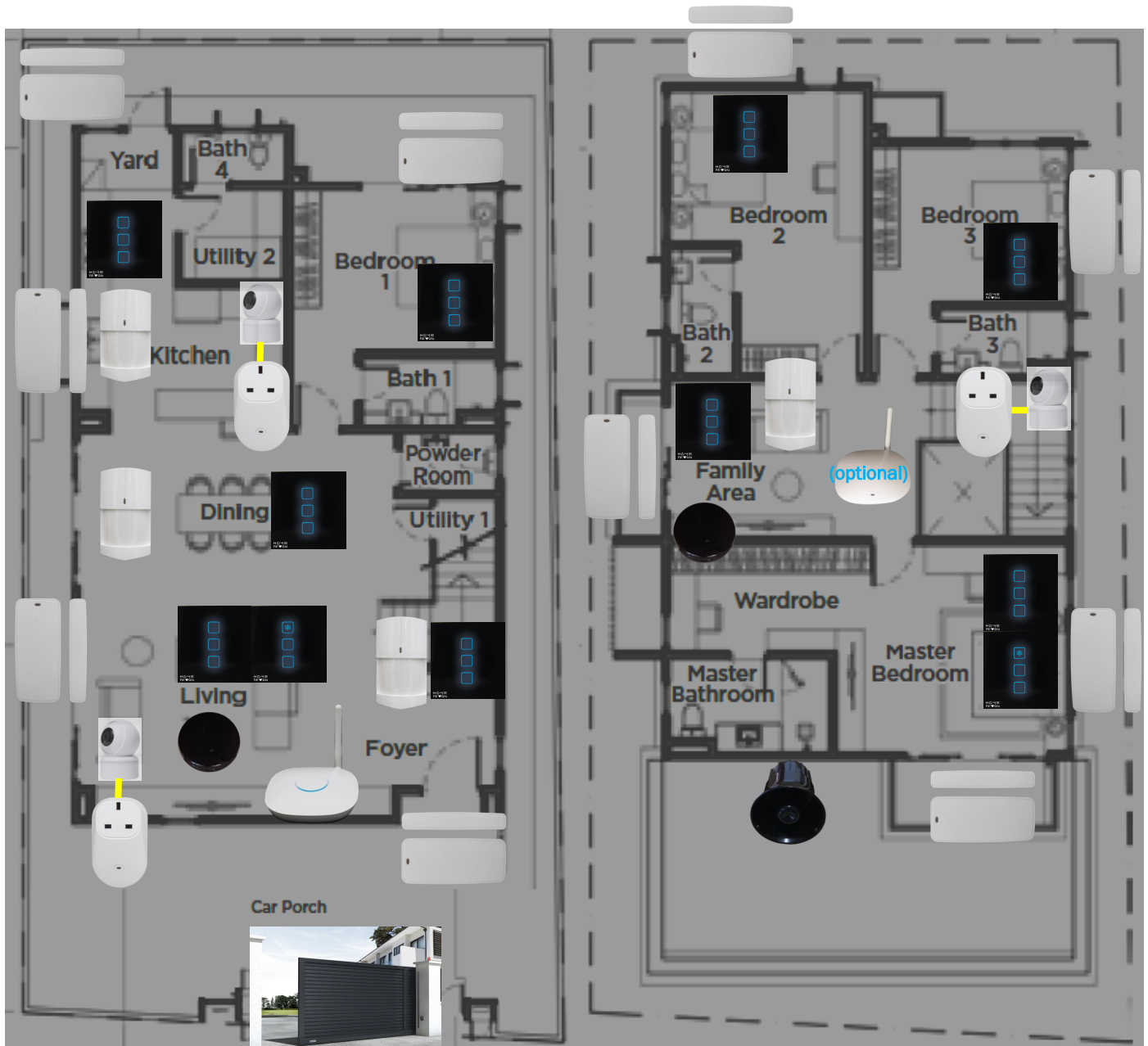
Automatic On / Off Camera



Concern of privacy issue when CCTV / camera was installed in your living room? Don't worry, by using our smart plug, your camera can be configured to automatically turn off when you are home, and automatically turn on when you are away.

HomeRevon Recommended Full Solution

Landed Premises



Ground Floor

First Floor

HomeRevon Recommended Alarm System Solution

Landed Premises



Ground Floor

First Floor

HomeRevon Recommended Automation System Solution

Condominium / Apartment

