AirShield Wireless Security System
Relay Release

Intelligent Building
2022.11

CONTENTS

01 Background

Background

For the increasing impulse for Smart Security, the Relay will be able to meet perfectly the demands that customers come up with, and this is what we define as Automation. By connecting the home appliances to the Relay, we can remotely control our home appliances via the Mobile APP, DMSS.

Meanwhile, a 3rd party device can also be linked to our Hub through the Relay, which can make the AirShield Wireless Security System more compatible, such as High-powered Strobe Siren.

Furthermore, we can control the Relay to output through alarm or arming and disarming events, for example, smoke alarm can link Relay to turn on the ventilation system.

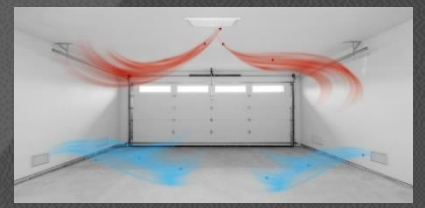
Two-way Communication

Two-way Communication

Dry Contact

High-powered Siren

Valve for water pipe

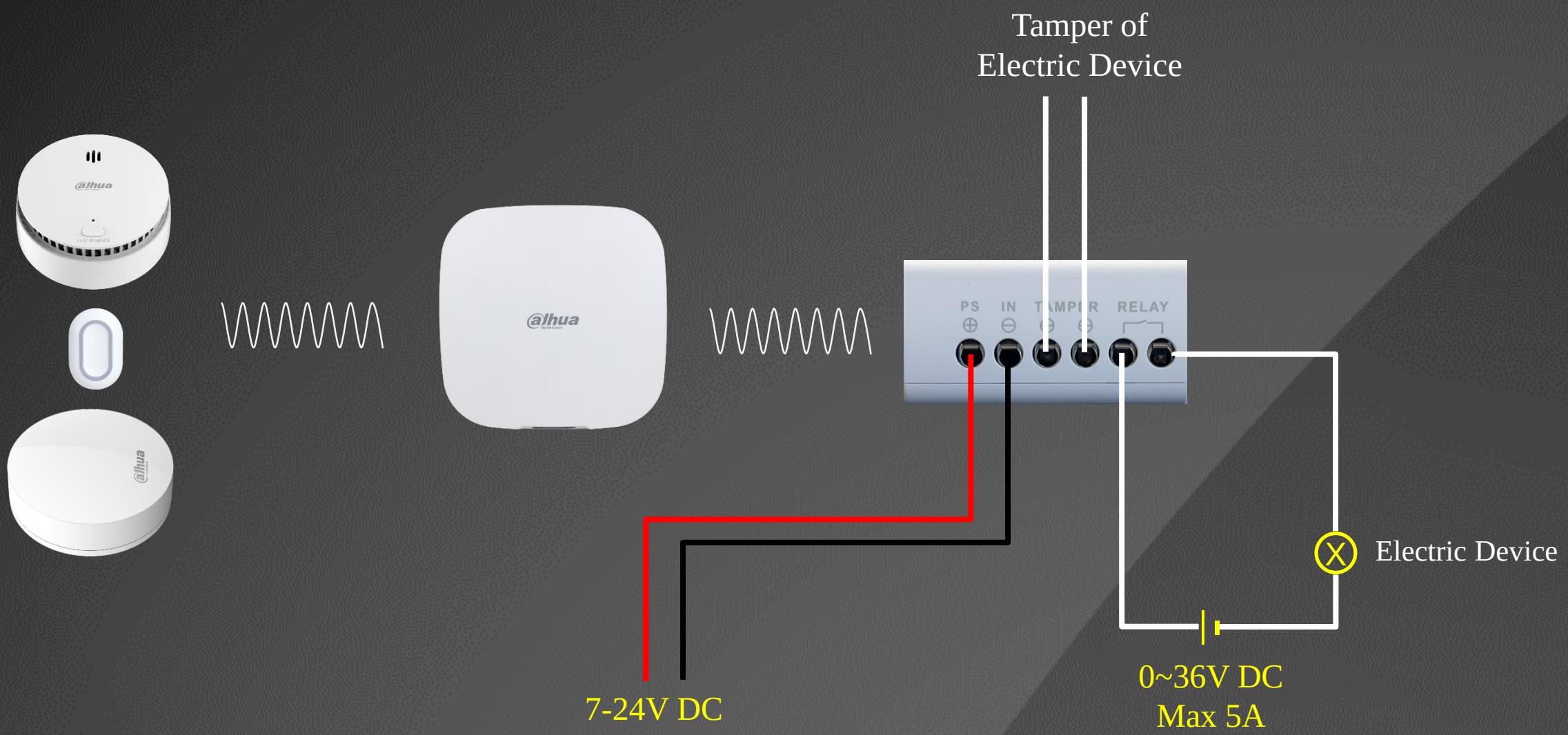


Home appliances

Electric door

02 Solutions

Topology

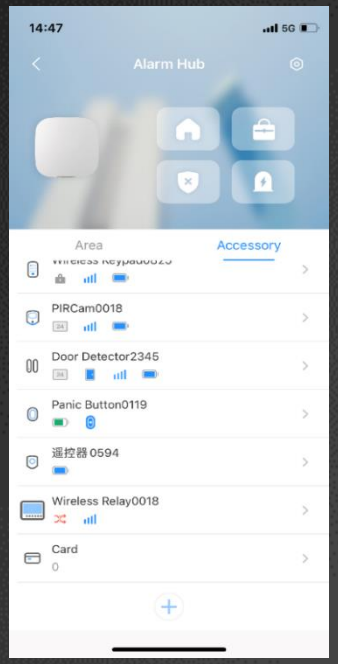


※ Invisible Connection, Tangible Protection

To realize the Automation, we need to select the *Output Type* and *Output Mode* first, and then create a proper *Scenario*.

- Arming/Disarming Linkage Scenario
- Alarm Linkage Scenario
- Scheduled Linkage Scenario

Output Configurations



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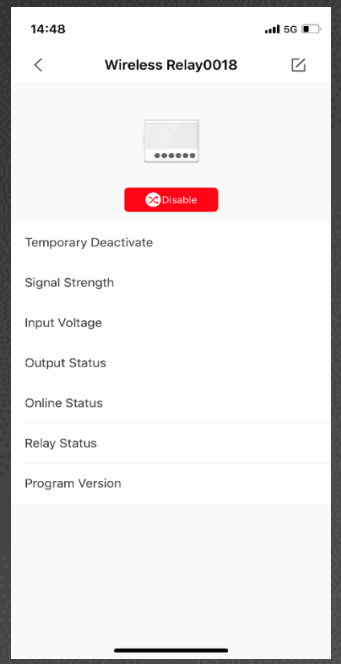

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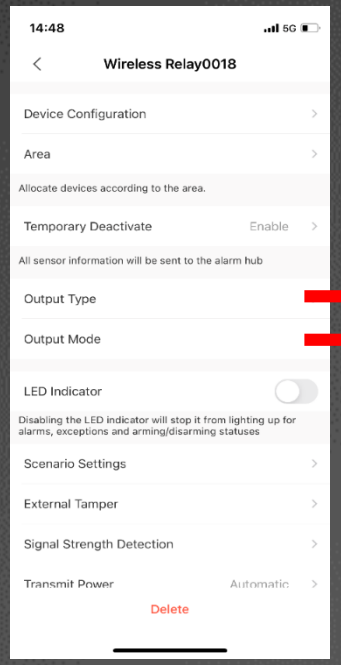

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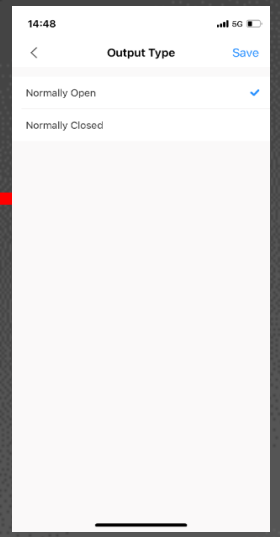
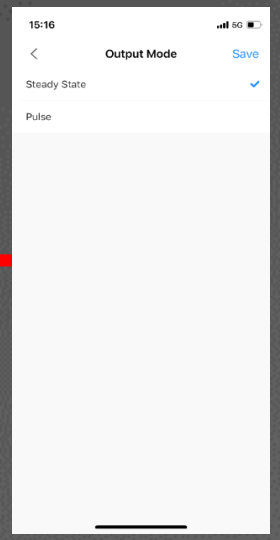




④

① Select Relay;

② Click the Configuration entry on the upper right corner;

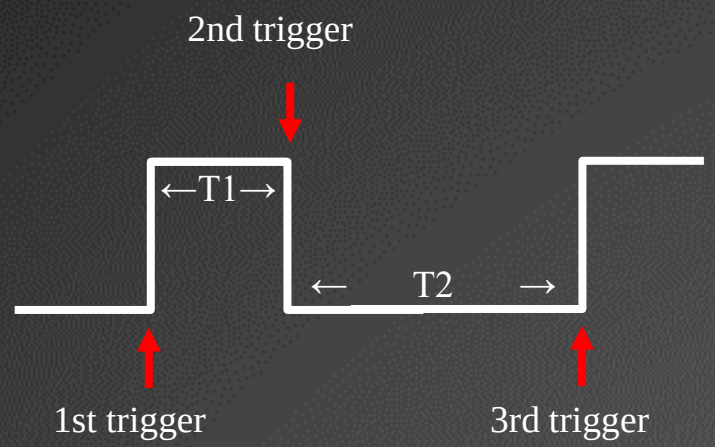
③ Select Output Type/Output Mode;

④ Select from Normally Open and Normally Closed according to the output device that you want the Relay to control;

Select from Bistable and Pulse according to the way you want to control the output device.

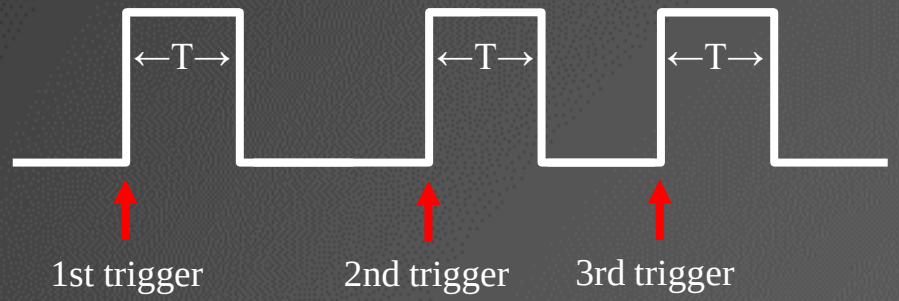
Output Configurations

Bistable



Bistable means that the system has two stable equilibrium states. At the first trigger, the Relay will switch its status from on to off (or from off to no), and then it keeps on (or off) until the next trigger.

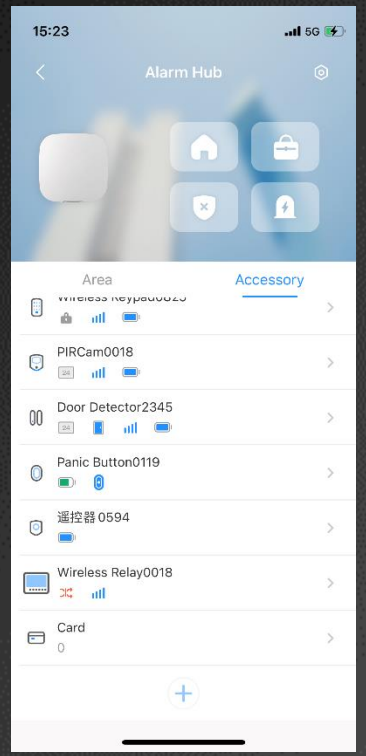
Pulse



A sudden change in the voltage or the current and then back to normal is called a pulse. When first triggering, the Relay will switch the status from on to off (or from off to on), and after the ***Pulse Duration*** (T) time, it'll switch itself back.

NOTE: Pulse Duration is defined by yourself. It can be ranged from 1 to 600s.

Scenario Settings



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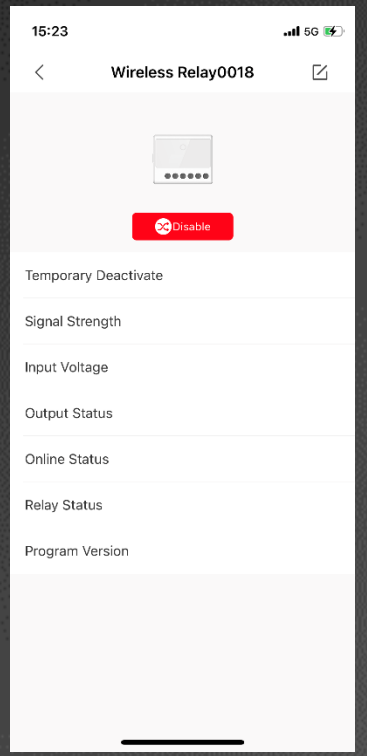

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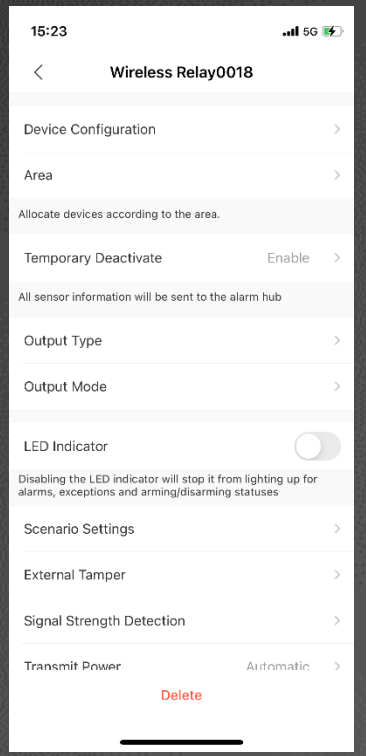

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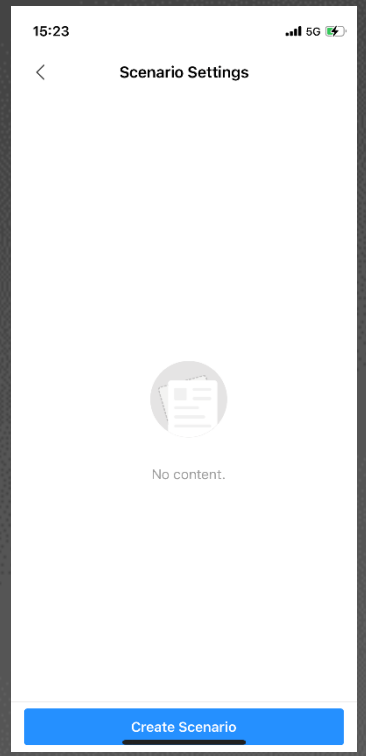

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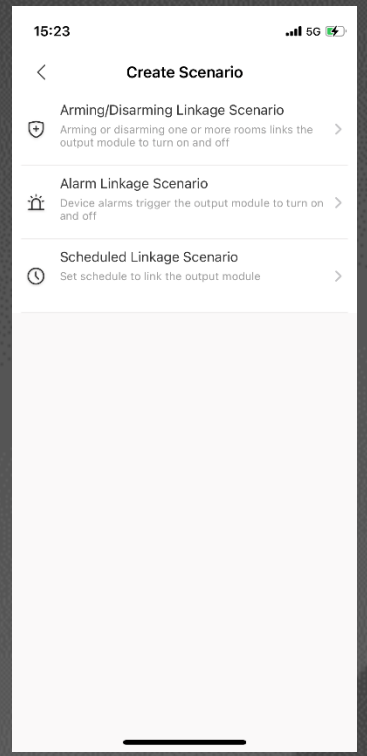


⑤

Create a ***Scenario***

① Select Relay;

② Click the Configuration entry on the upper right corner;

③ Select Scenario Settings;

④ Click to create a Scenario;

⑤ Choose from Arming/Disarming Linkage Scenario, Alarm Linkage Scenario and Scheduled Linkage Scenario

Scenario Settings

Arming/Disarming Linkage Scenario	By arming or disarming one or more areas, we can link the Relay to turn on or off the 3rd party device.
Alarm Linkage Scenario	Peripheral's alarm information triggers the Hub to switch the Relay on or off.
Scheduled Linkage Scenario	Set schedules to link the output module.

High-powered Strobe Siren Control

In this situation we recommend to use the Pulse mode and create an Alarm Linkage Scenario.

① The alarm input generates an alarm and sends the information to the Hub;

② Hub sends the information to the Relay;

③ Relay controls the Switch of the third-party devices.

Valve for Water Pipe Control

In this situation we recommend to use the Bistable mode and create an Alarm Linkage Scenario.

① The Water Leak generates an alarm and sends the information to the Hub;

② Hub sends the information to the Relay;

③ Relay turns off the Valve for the water pipe.

Ventilation System Control

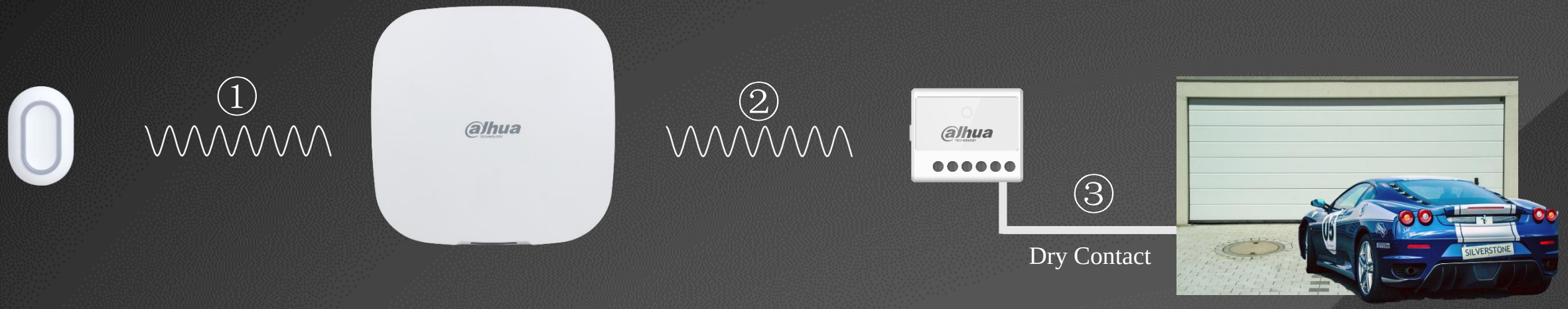
In this situation we recommend to use the Bistable mode and create an Alarm Linkage Scenario.

① The Smoke Detector generates an alarm and sends the information to the Hub;

② Hub sends the information to the Relay;

③ Relay turns on the Ventilation System.

Electric Door Control



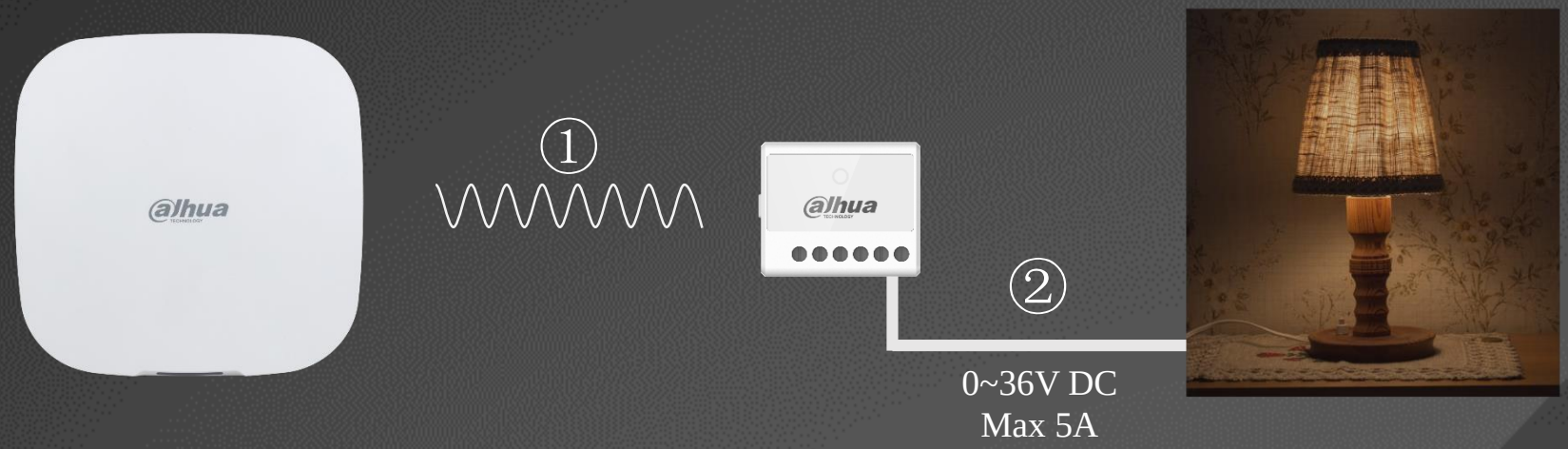
*To realize this, you need to enter the Configuration page of the Panic Button and change its **Operation Mode from Panic to Control**, and then enter its Scenario Settings to **create a Scenario**. Choose **Switch Status** so that you can both open and close the electric door by pressing the Panic Button.*

① By pressing the Panic Button you can send the information (on or off) to the Hub;

② Hub sends the information (on or off) to the Relay;

③ Relay opens/closes the electric door;

More Automation Applications...



When you're out for a long time, you can set a ***Scheduled Linkage Scenario*** *to turn on the lights or play the music so that it will make the house seemed not empty.*

① Hub sends an information (on or off) to the Relay according to the scheduled time;

② Relay turns on or off the 3rd party device.

03 Key Features

Key Features

Easy installation for its dimension

Supports Cloud Update

Competitive Price

System firmware redundant backup makes the upgrade more secure

※ Invisible Connection, Tangible Protection

THANKS