

SMART SWITCH

OEM/ODM



GUIDE
Match your smart home system

WHO WE ARE?

We are the fastest growing smart home enterprise in China

We are one of biggest smart home enterprises in China

We have a complete and competitive team in China

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H4 Technology was founded in 2009 and is constituted of some hardware and software R&D engineers who have 5 or 6 years' experience in electric product design in the automatic field. Since our establishment, H4 has been developing rapidly for accurate market positioning, keen sense of innovation and strong scientific strength, not only having the advantage from the beginning in the field of intelligent electronic, but also gaining the highest level in the market. Comparing with smart products for domestic or overseas and being compatible with advanced technology and experience of smart home control, based on embedded computer system, H4 Technology has devoted to smart home technology, communication technology and computer technology for stable bi-direction communication. We regard the manufacture and technology of products which are first class and can meet customers' requirement, as our responsibility.

H4 Smart switch focus on developing intelligent remote control switch, we introduced internationally advanced RF (radio frequency) and ZigBee technology. collecting all lights and electrical equipment so as to create easy control of the intelligent life for customers. Besides, H4 Smart switch can be also applied to other commercial & home use electrical equipment, for example, store lighting control, store window control, security system, gate access control, curtain control, TV control, air-condition control, kitchen appliance control, etc.

H4 industrial design center was established from a desire for personal expression in his work and is founded on the notion that the design should be impassioned, provoking the emotions, feelings and behaviour of those who come into contact with it. 'I am establishing my own unique style of design from an interest in the surreal, beautiful in form and simple functionality. I create pieces that are slightly obscure and enhance an environment; something that draws you into the design, ultimately forming a connection with it. I have a clear vision of realising objects destined to live outside themselves, in a sense containing a fresh perspective and movement in everyday space. My realisations be an evolving dialogue between designer, client, and manufacturer who shares the same goal and vision.

H4 industrial designs can be characterised as idiosyncratic and fresh. On one side is the understated and disguised, on the other, the bright and noticeable, alluding to both the hidden and visible strength of an object.

Nowadays, we set up a number of agents or offices in major cities and home provinces worldwide to form a worldwide sales and service network system. "H4" for overseas market, "ORVIBO" brand for domestic market. What is more, H4 has established OEM/ODM cooperation with a lot of famous lighting and electrical appliance enterprises, we adhere to the "Innovation, Originality, Creativity" development ideas and believe that we can make more worldwide consumers enjoy the convenience of the intelligent life.

WHAT WE DO?

What we currently do is smart light switch OEM/ODM, we usually advise our clients to do OEM/ODM first, after pleasant cooperation, we are able to negotiate further details which is smart control system OEM or for more in the future.



OEM

H4 technology has already included six styles of smart switches to open for OEM. Five among them are RF control techniques. Another is ZigBee Control technology. Wireless touch Panel Switch is for building comprehensive home automation system. It uses the glass capacity and build-in communication protocol for remote control. It is suitable for both residence and hotel, and diverse application includes lighting control, scenario control, curtain control...etc. Its graphic user interface turns switch label into graphic display. The location and quantity of control points and panel display are changeable.



ODM

Clear and reasonable R&D processes; normative and canonical methods for outdated, and inspection and testing. We have senior engineers who have about ten years' experience in the electron industry area and many years in the smart home field, as well as in the machine, industrial design, structure, mould, software, hardware, technology, and process fields. We can complete product manufacture under the purpose of high-speed, high-efficiency and high-quality.



Industrial Design

H4 industrial design is our proud specialty. We adept in industrial design skills and procedures, proficient in 3DS Max, Rhino, keyshot, PS, CD, AI...etc and conversant with material. Be able to use this specialized software to excellently express the product's concept to cut the venture of investment. Familiar with plastic mold and process (plastic, metal, wood, glass, ceramic silicone, PLA). Our industrial designers has full of product design experience in their areas and use to win many awards in design competitions.



Package Design

By promoting the partnership with our overseas clients, we are going to offer **free package design** in 2013 when we meet the agreement and signed a contract yet. We are able to help you to modify the package or even design a fire-new one or something necessary for your order as best we can do.



Graphic Design

By promoting the partnership with our overseas clients, we are going to support **free graphic design** in 2013 when we meet the agreement and signed a contract already. We are going to help you to amend pictures or even design a new advertisement or something necessary for your order as best we can do.



Logo Design

By promoting the partnership with our overseas clients, we are going to offer **free logo design** in 2013 when we meet the agreement and signed a contract already. If you have special requirements for having a new logo icon, we are willing to help you as well.

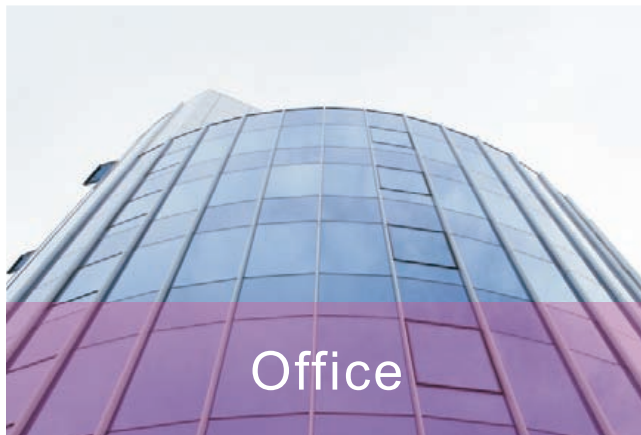
WHY US?

The reasons are listed right side, those are precisely explained our status of China smart home industry. I promise you could not find any enterprise better than that in China, and then we willing to welcome you to visit our Shenzhen headquarters.



SEEING IS BELIEVING

Seeing is believing, what you see is what we really had
Let me take you to our company to see what we got these 3 years
This is only a small part of our company, if you are interested in our products, I
strongly recommend you come to my company in person, just let me show
you our smart home technology--things controlled by your voice.
I promise you will not forget what you see here.



Office



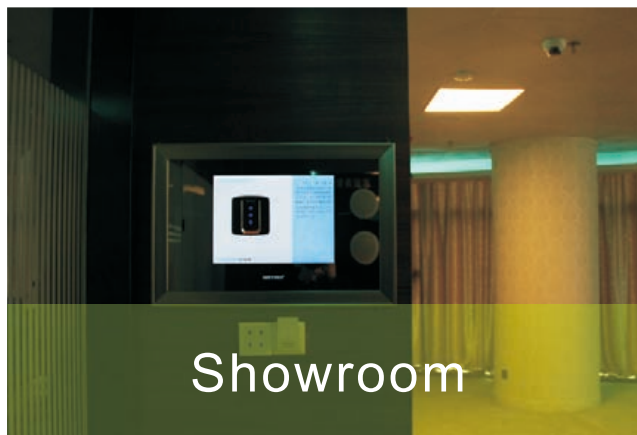
Certificates



Showroom



Meeting room



Showroom



Testing



Hall



Switch



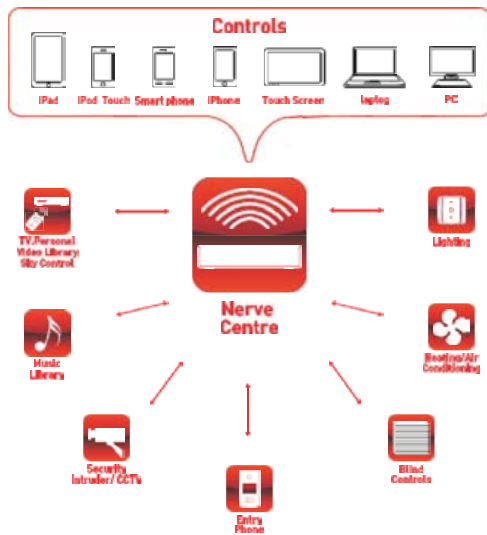
PCBA



Factory

OUR TECHNOLOGY

Technology is one of our proud area. RF technology is most common and more convenient for smart home user, easy to install, needless to rewire; ZigBee technology is mostly used for a villa or big space, those cannot be able to transmit by the RF technology.



Radio Frequency (RF) is the mode of communication for wireless technologies of all kinds, including cordless phones, radar, ham radio, GPS, and radio and television broadcasts. This technology is so much a part of our lives we scarcely notice it for its ubiquity. From baby monitors to cell phones, Bluetooth® to remote control toys, radio waves are all around us.

These are electromagnetic waves which propagate at the speed of light, or 186,000 miles per second (300,000 km/s). The frequencies of RF waves, however, are slower than those of visible light, making them invisible to the human eye.



ZigBee is an open standard wireless sensor networking technology backed by some of the world's biggest companies, including Philips, Samsung, Texas, Siemens & Whirlpool.

ZigBee is currently being built into millions of home automation & smart energy devices worldwide. Lights, thermostats, alarms, fridges, doors, appliances, utility meters - all are being ZigBee enabled, and this is why the technology is often referred to as "The Internet of Things".

The initial markets for ZigBee are:

Smart Energy / Home Automation / Remote Control / Healthcare / Telecoms



OUR SMARTSWITCHES

- ① 6 Series smart switches
- ① 86X86mm & 82x124mm
- ① RF & ZigBee technology
- ① Single live&Neutral live
- ① Wireless touch panel
- ① Remarkable industrial design
- ① American TI touch chipset
- ① CE&FCC&CQC certification

- ① Senior fireproofing plastic
- ① One year gurantee
- ① Touch control
- ① Remote control
- ① PC control
- ① Iphone control
- ① Android system control

RF SWITCH

- Neutral live
 - 1/2/3-Gang Switch
 - LED Dimming Switch
 - Curtain Switch(HV/LV)
 - Projector Screen Switch
 - 1/2/3-Gang Dual-control Switch
 - Scenario Switch
- Single live
 - 1/2/3-Gang Switch

ZigBee SWITCH

- Neutral live
 - 1/2/3-Gang Switch
 - LED Dimming Switch
 - Curtain Switch(HV/LV)
 - Projector Screen Switch
 - 1/2/3-Gang Dual-control Switch
 - Scenario Switch
- Single live
 - 1/2/3-Gang Switch



lights control



curtain control



screen control



H4

B-Series smart switch

3-gang smart switch



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



B Series 3-Gang Wireless Smart Switch

Size: 86 X90 X35mm

Color: black

Material: imported PMMA,ABS

Chipset: American TI touch chipset

Voltage: AC 110-250V/50Hz-60Hz

Current: maximum 5A

Power: Max load: 1000W (Single channel)

Power consumption: static power loss power: <0.05mW

Working environment: temperature -30 ~ 70 °C; humidity of 10% -95%

Service life: 100,000 times operations

Minimum load: the total load power of single switch >9W

Power supply: single / neutral line



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



1-Gang Smart Switch
H4-B86S1-SS10
(Single / Neutral Live)



2-Gang Smart Switch
H4-B86S1-SS20
(Single / Neutral Live)



3-Gang Smart Switch
H4-B86S1-SS30
(Single / Neutral Live)



LED Dimming Switch
H4-B86N1-DSL
(Neutral Live)



1-Gang dual-control Switch
H4-B86N1-DC10
(Neutral Live)



2-Gang dual-control Switch
H4-B86N1-DC20
(Neutral Live)



3-Gang dual-control Switch
H4-B86N1-DC30
(Neutral Live)



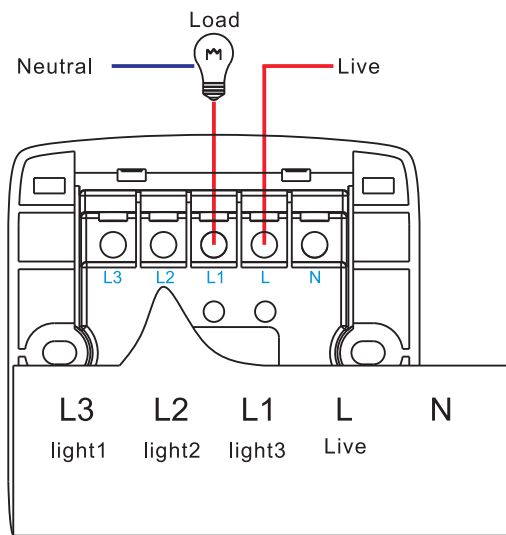
Smart Scenario Switch
H4-B86N1-SC30
(Neutral Live)



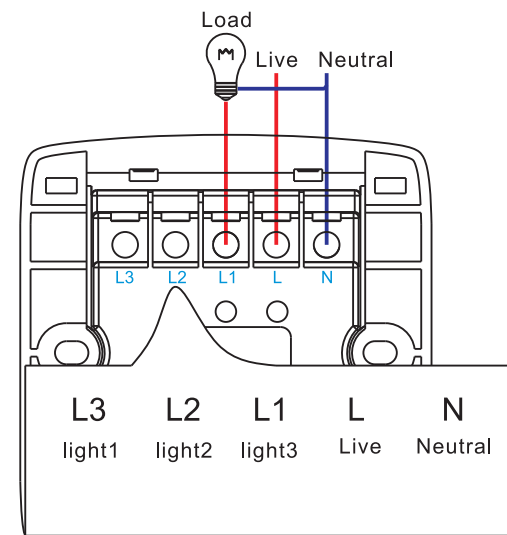
Smart Curtain Switch(HV/LV)
H4-B86N1-CC20
(Neutral Live)



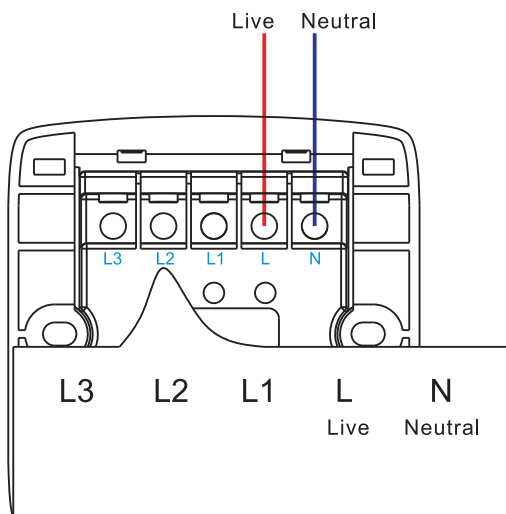
Projector Screen Switch
H4-B86N1-PS20
(Neutral Live)



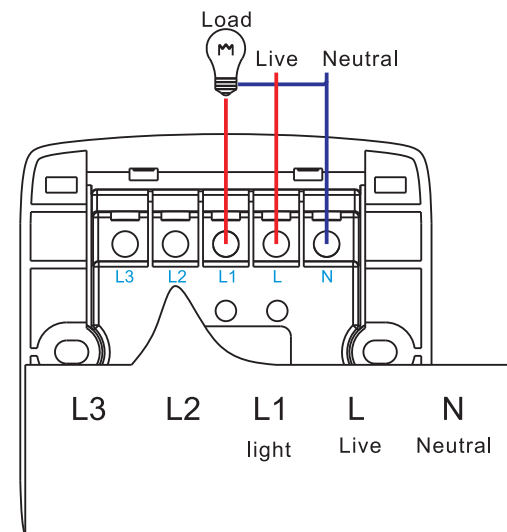
Single live wiring



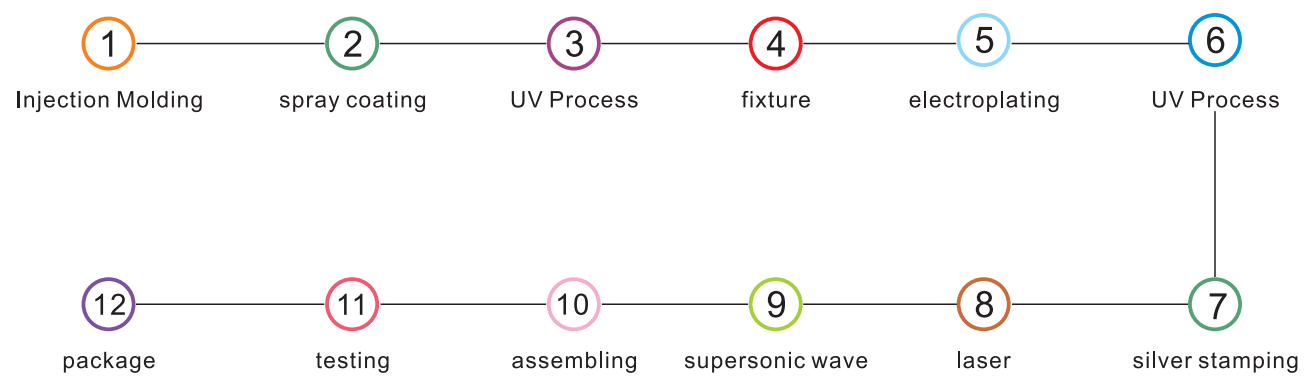
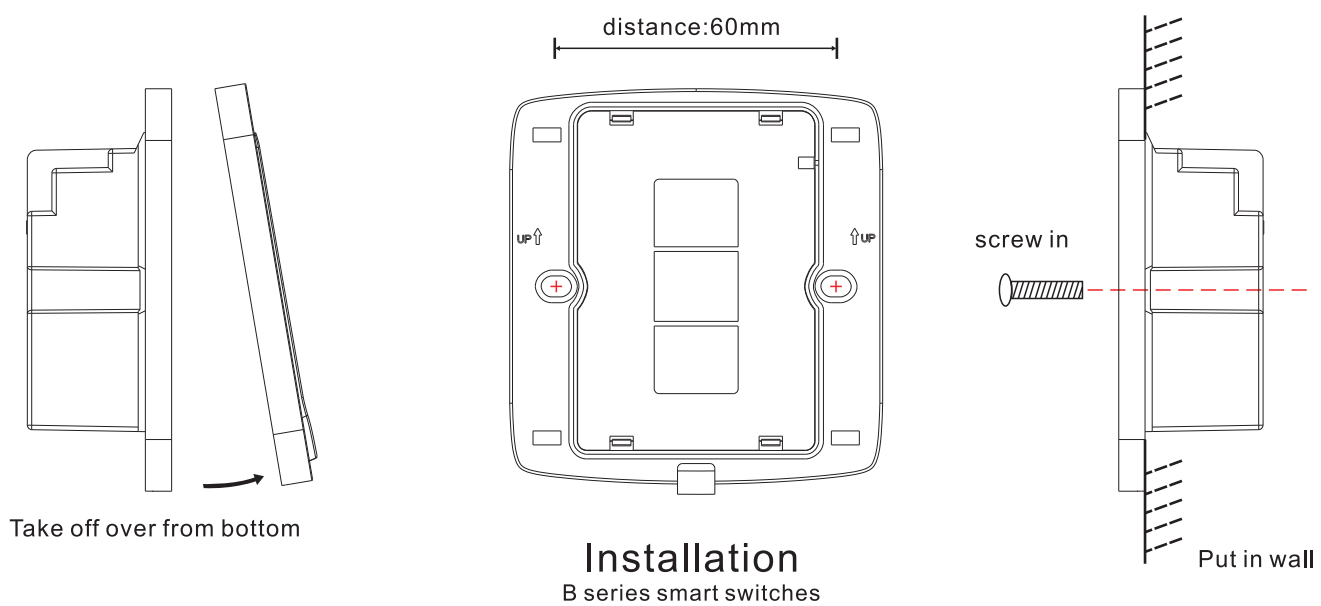
Live&Neutral wiring



Scenario wiring



Dimming wiring



The B series smart switches
production process
from A to Z



H4

P-Series smart switch

3-gang smart switch



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



P Series 3-Gang Wireless Smart Switch

Size: 86 X90 X35mm

Color: black

Material: imported PMMA,ABS

Chipset: American TI touch chipset

Voltage: AC 110-250V/50Hz-60Hz

Current: maximum 5A

Power: Max load: 1000W (Single channel)

Power consumption: static power loss power: <0.05mW

Working environment: temperature -30 ~ 70 °C; humidity of 10% -95%

Service life: 100,000 times operations

Minimum load: the total load power of single switch >9W

Power supply: single / neutral line



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



1-Gang Smart Switch
H4-P86S1-SS10
(Single / Neutral Live)



2-Gang Smart Switch
H4-P86S1-SS20
(Single / Neutral Live)



3-Gang Smart Switch
H4-P86S1-SS30
(Single / Neutral Live)



LED Dimming Switch
H4-P86N1-DSL
(Neutral Live)



1-Gang dual-control Switch
H4-P86N1-DC10
(Neutral Live)



2-Gang dual-control Switch
H4-P86N1-DC20
(Neutral Live)



3-Gang dual-control Switch
H4-P86N1-DC30
(Neutral Live)



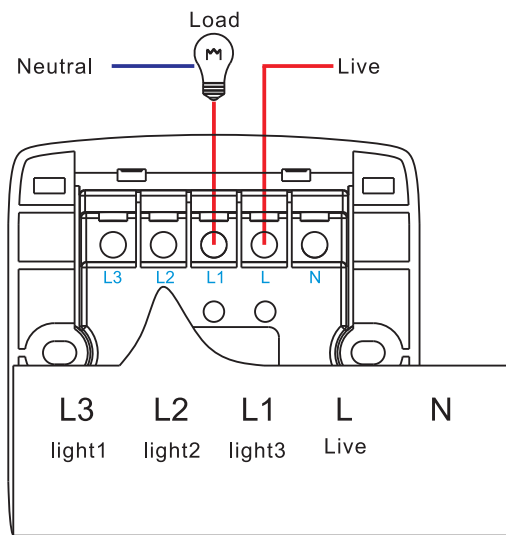
Smart Scenario Switch
H4-P86N1-SC30
(Neutral Live)



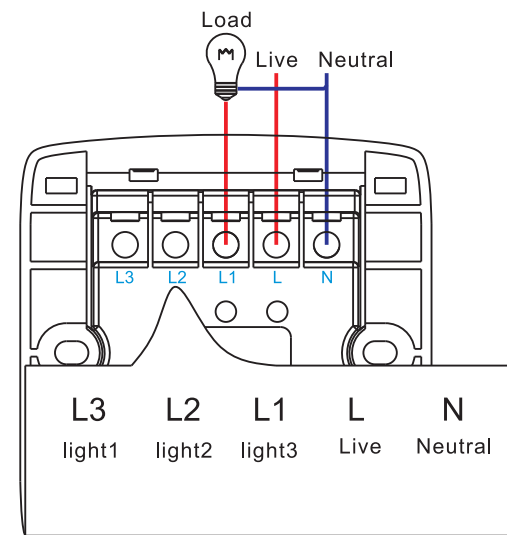
Smart Curtain Switch(HV/LV)
H4-P86N1-CC20
(Neutral Live)



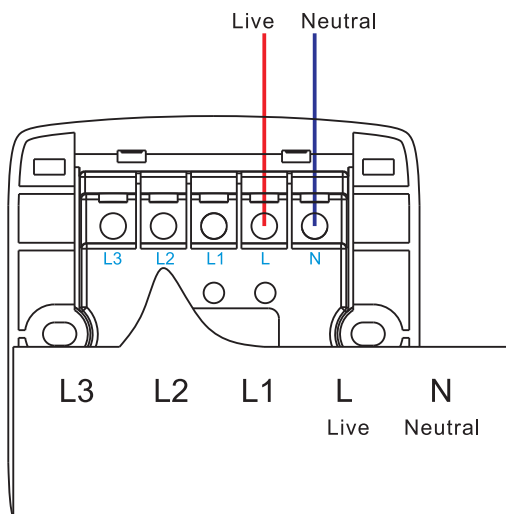
Projector Screen Switch
H4-P86N1-PS20
(Neutral Live)



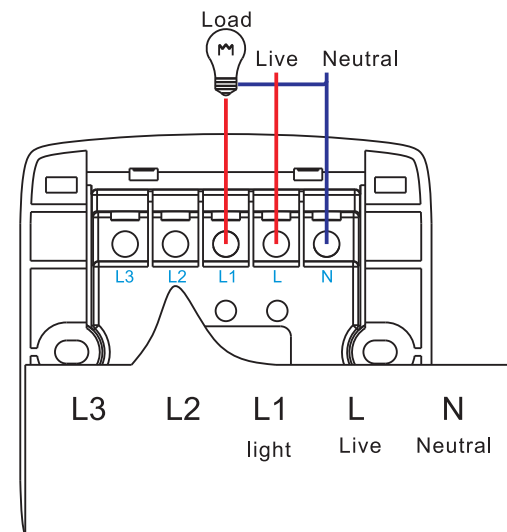
Single live wiring



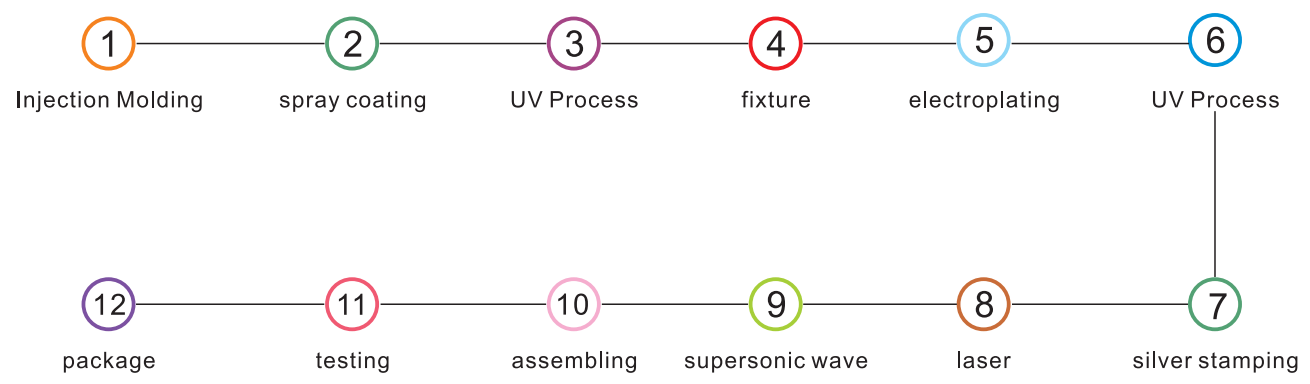
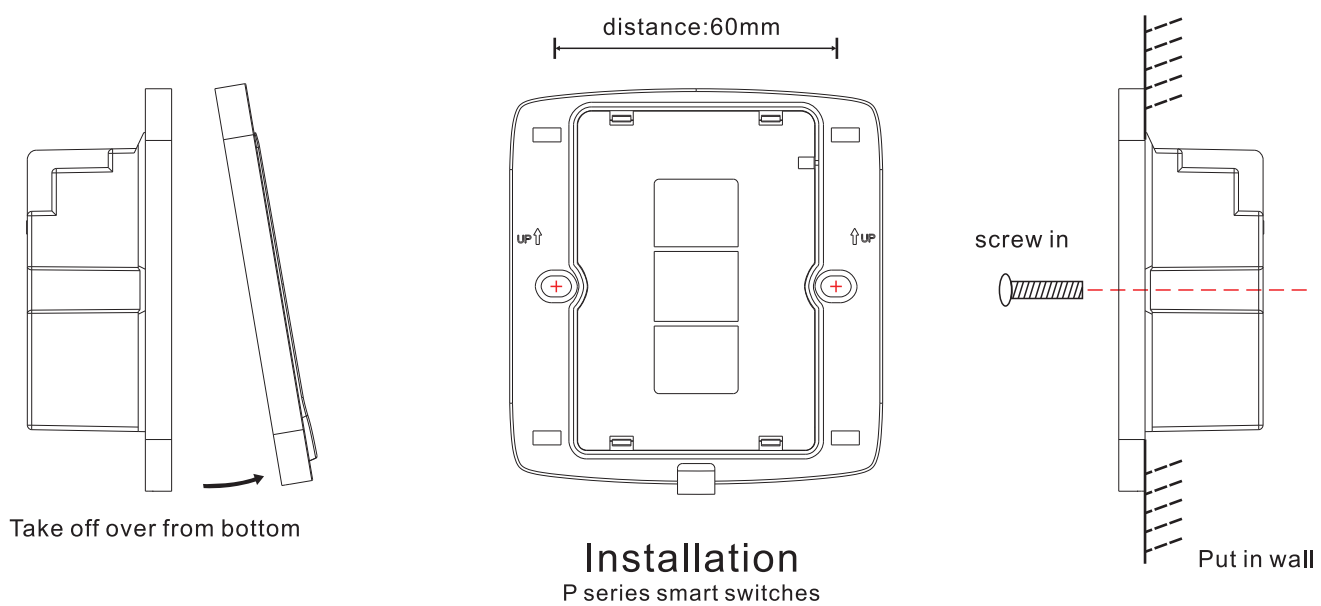
Live&Neutral wiring



Scenario wiring



Dimming wiring



The P series smart switches
production process
from A to Z



H4

G-Series smart switch

smart dimming switch



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



G Series 2-Gang Smart Dimming Switch

Size: 86 X90X35mm

Color:gray

Material: imported PMMA,ABS

Chipset:American TI touch chipset

Voltage: AC 110-250V/50Hz-60Hz

Current: maximum 5A

Power: Maximum total load: 200W (Single channel)

Power consumption: static power loss power: <0.05mW

Working environment: temperature -30 ~ 70 °C; humidity of 10% -95%

Service Life: 100,000 times operations

Minimum load: the total load power of single switch >9W

Power supply:single / neutral line



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



1-Gang Smart Switch
H4-G86S1-SS10
(Single / Neutral Live)



2-Gang Smart Switch
H4-G86S1-SS20
(Single / Neutral Live)



3-Gang Smart Switch
H4-G86S1-SS30
(Single / Neutral Live)



LED Dimming Switch
H4-G86N1-DSL
(Neutral Live)



1-Gang dual-control Switch
H4-G86N1-DC10
(Neutral Live)



2-Gang dual-control Switch
H4-G86N1-DC20
(Neutral Live)



3-Gang dual-control Switch
H4-G86N1-DC30
(Neutral Live)



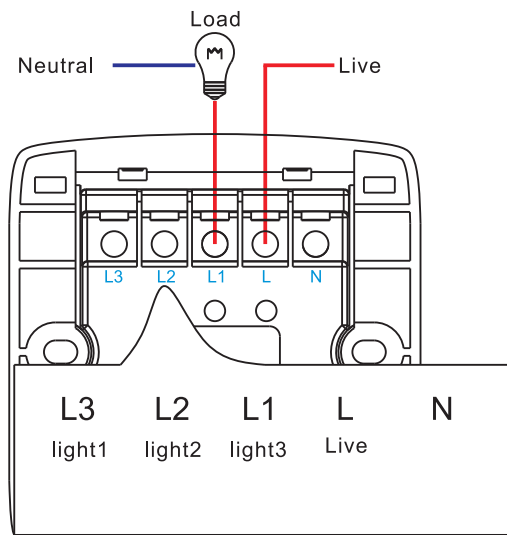
Smart Scenario Switch
H4-G86N1-SC30
(Neutral Live)



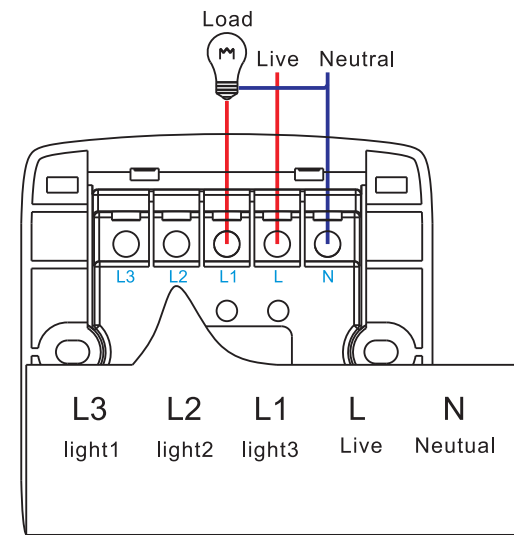
Smart Curtain Switch(HV/LV)
H4-G86N1-CC20
(Neutral Live)



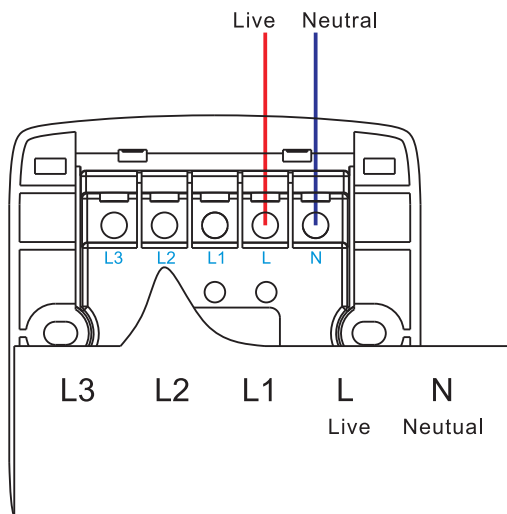
Projector Screen Switch
H4-G86N1-PS20
(Neutral Live)



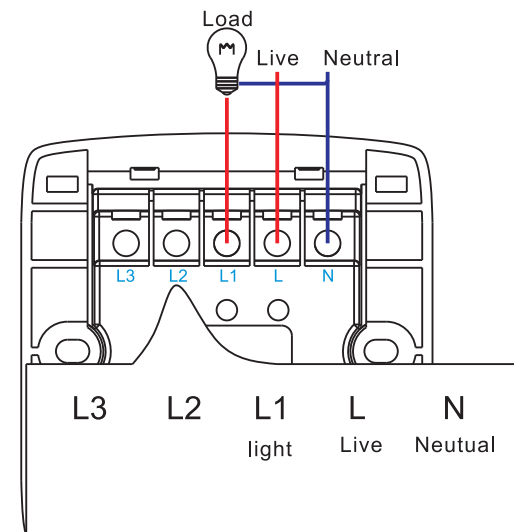
Single live wiring



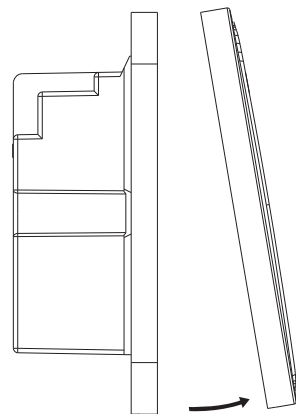
Live&Neutral wiring



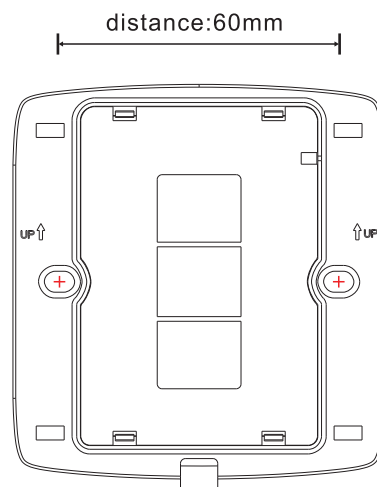
Scenario wiring



Dimming wiring

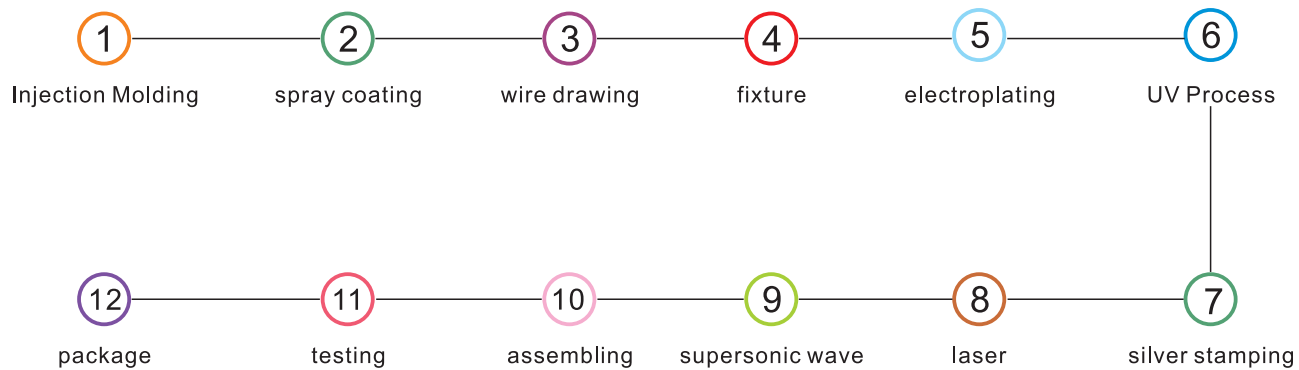
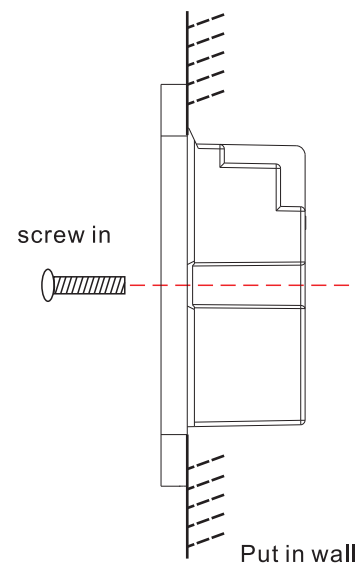


Take off over from bottom



Installation

G series smart switches



The G series smart switches
production process
from A to Z



H4

T-Series smart switch

smart dimming switch



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control

T Series Smart Dimming Switch

Size: 86 X90X35mm

Color: white

Material: high quality tempered glass, ABS

Chipset: American TI touch chipset

Voltage: AC 110-250V/50Hz-60Hz

Current: maximum 5A

Power: Maximum total load: 200W (Single channel)

Power consumption: static power loss power: <0.05mW

Working environment: temperature -30 ~ 70 °C; humidity of 10% -95%

Service Life: 100,000 times operations

Minimum load: the total load power of single switch >9W

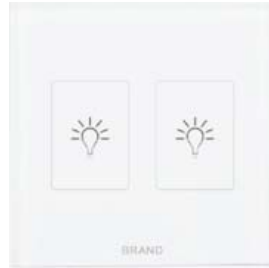
Power supply: single / neutral line



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



1-Gang Smart Switch
H4-T86S1-SS10
(Single / Neutral Live)



2-Gang Smart Switch
H4-T86S1-SS20
(Single / Neutral Live)



3-Gang Smart Switch
H4-T86S1-SS30
(Single / Neutral Live)



LED Dimming Switch
H4-T86S1-DSL
(Neutral Live)



1-Gang dual-control Switch
H4-T86N1-DC10
(Neutral Live)



2-Gang dual-control Switch
H4-T86N1-DC20
(Neutral Live)



3-Gang dual-control Switch
H4-T86N1-DC30
(Neutral Live)



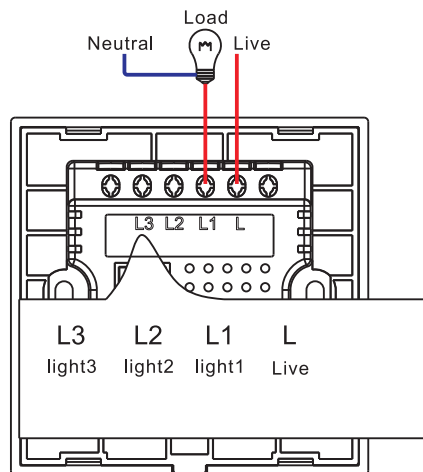
Smart Scenario Switch
H4-T86N1-SC30
(Neutral Live)



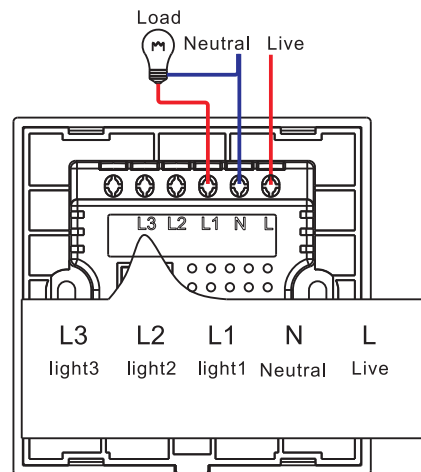
Smart Curtain Switch(HV/LV)
H4-T86N1-CC20
(Neutral Live)



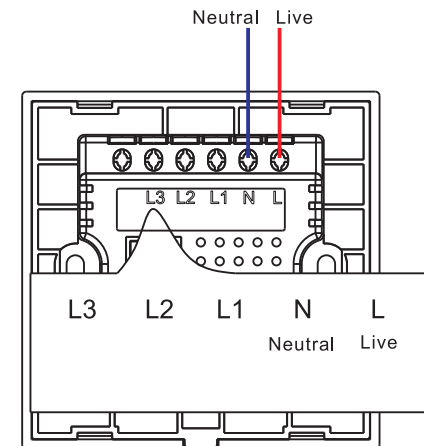
Projector Screen Switch
H4-T86N1-PS20
(Neutral Live)



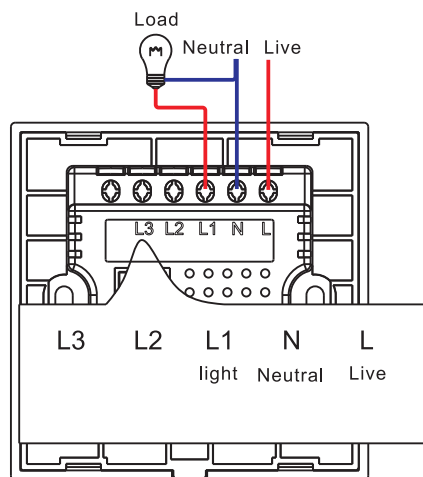
Single live wiring



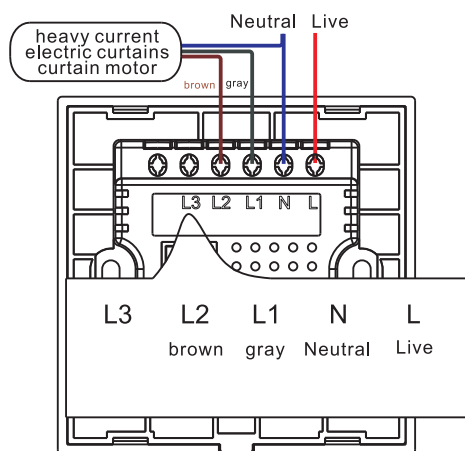
Live&Neutral wiring



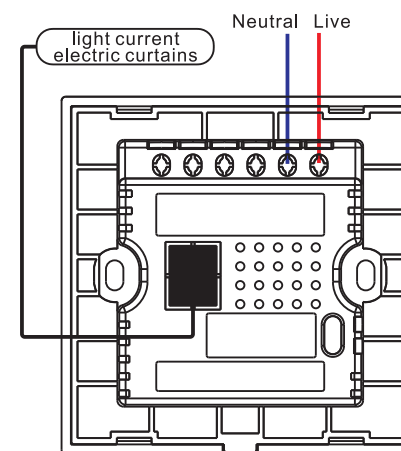
Scenario wiring



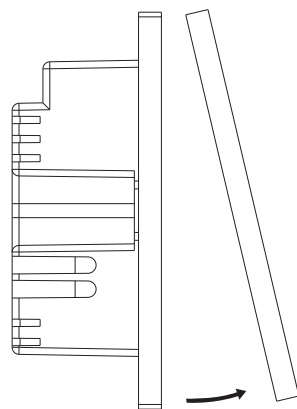
Dimming wiring



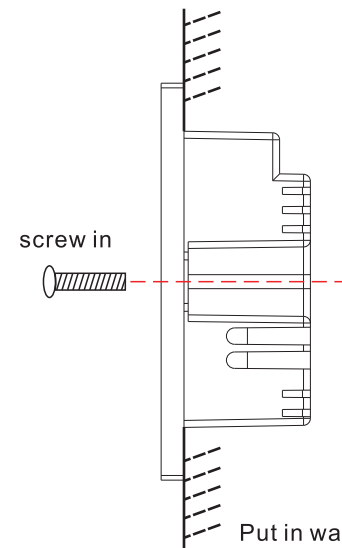
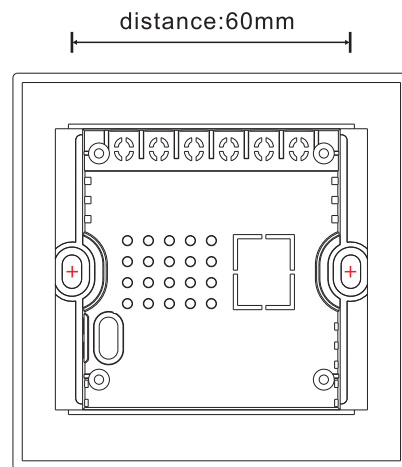
Heavy current(HV)
windows wiring



Light current(LV)
windows wiring

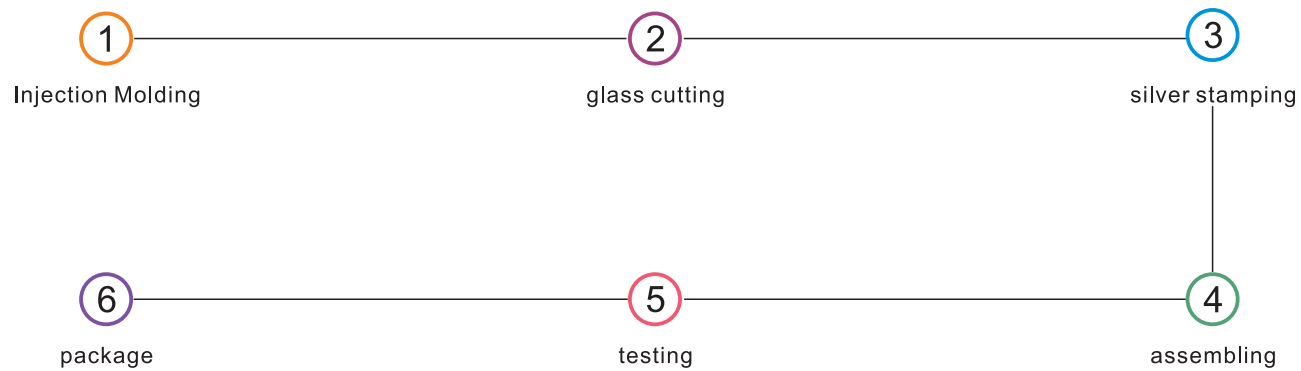


Take off over from bottom



Installation

T series smart switches



The T series smart switches
production process
from A to Z



H4

W-Series smart switch

smart curtain switch



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



W Series Smart Curtain Switch(HV/LV)

Size: 82X124 X35mm

Color: white

Material: imported PMMA,ABS

Chipset: American TI touch chipset

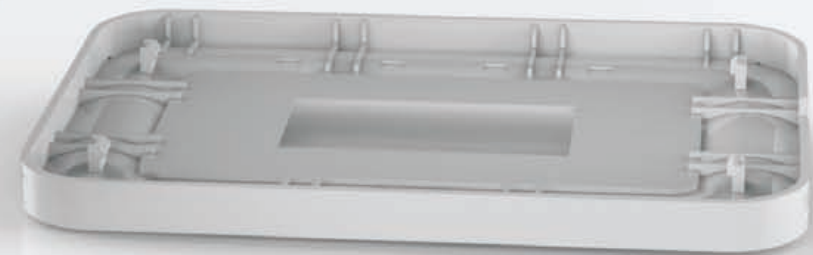
Voltage: AC 110-250V/50Hz-60Hz

Power consumption: static power loss power: <0.05mW

Working environment: temperature -30 ~ 70 °C ; humidity of 10% -95%

Service Life: 100,000 times operations

Power supply: neutral and live line



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



1-Gang Smart Switch
H4-W120S1-SS10
(Single / Neutral Live)



2-Gang Smart Switch
H4-W120S1-SS20
(Single / Neutral Live)



3-Gang Smart Switch
H4-W120S1-SS30
(Single / Neutral Live)



LED Dimming Switch
H4-W120S1-DSL
(Neutral Live)



1-Gang dual-control Switch
H4-W120N1-DC10
(Neutral Live)



2-Gang dual-control Switch
H4-W120N1-DC20
(Neutral Live)



3-Gang dual-control Switch
H4-W120N1-DC30
(Neutral Live)



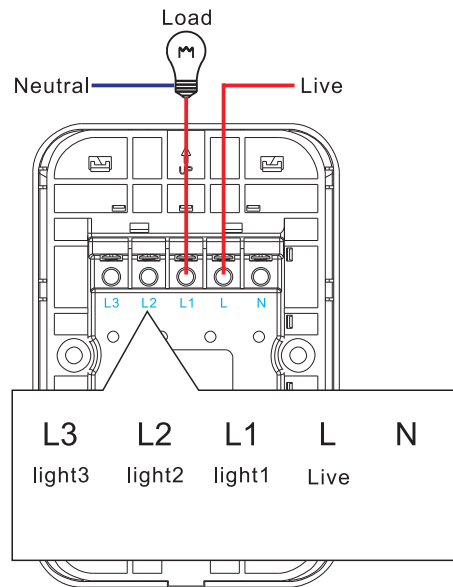
Smart Scenario Switch
H4-W120N1-SC30
(Neutral Live)



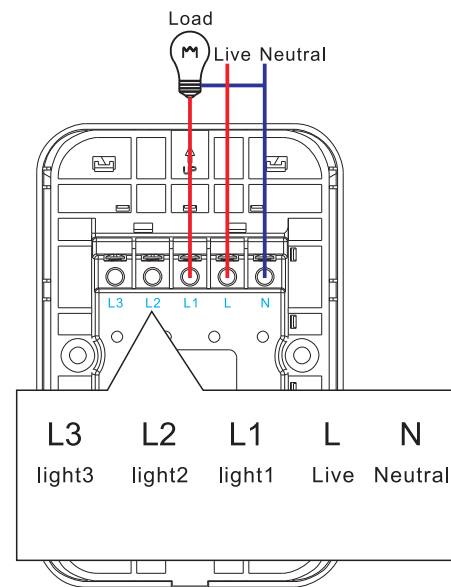
Smart Curtain Switch(HV/LV)
H4-W120N1-CC20
(Neutral Live)



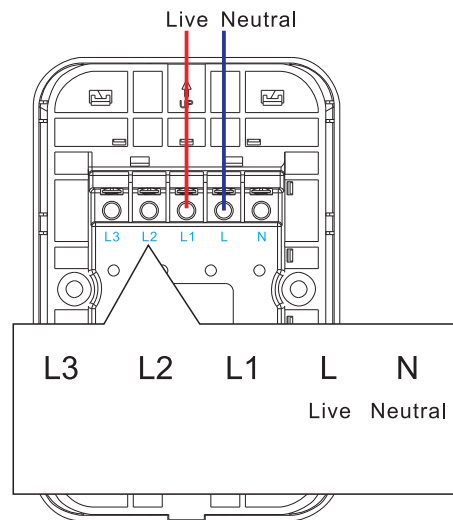
Projector Screen Switch
H4-W120N1-PS20
(Neutral Live)



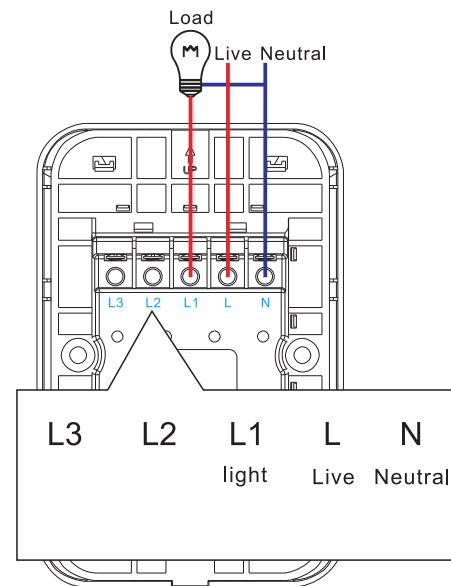
Single live wiring



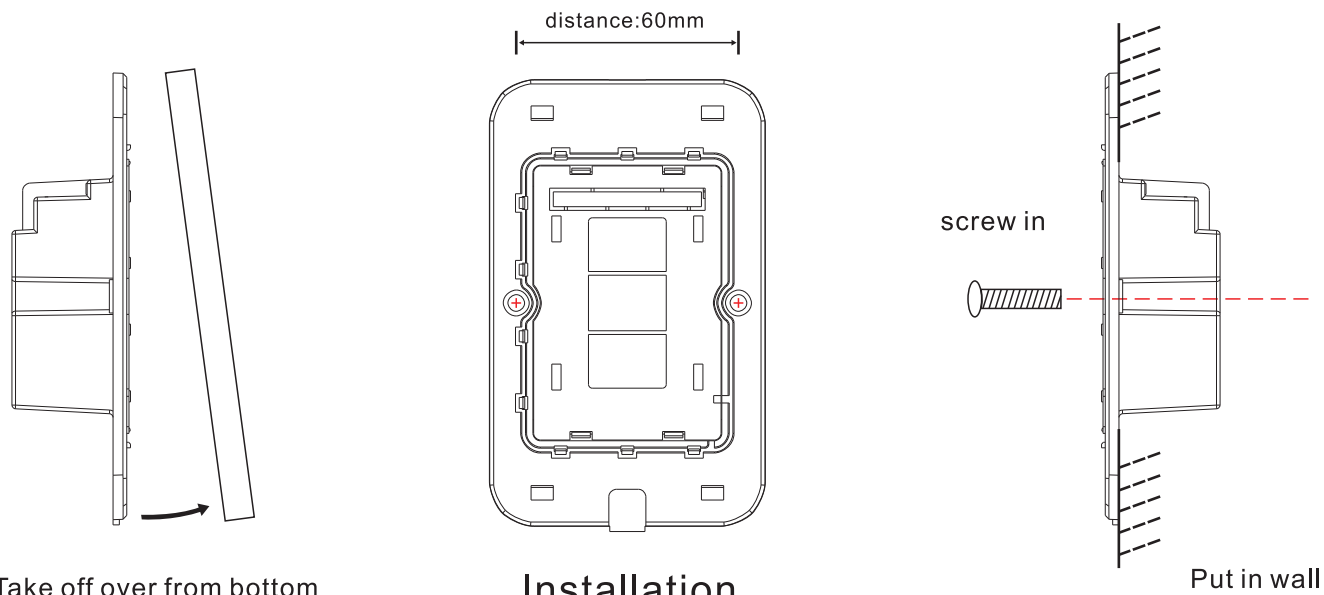
Live&Neutral wiring



Scenario wiring



Dimming wiring

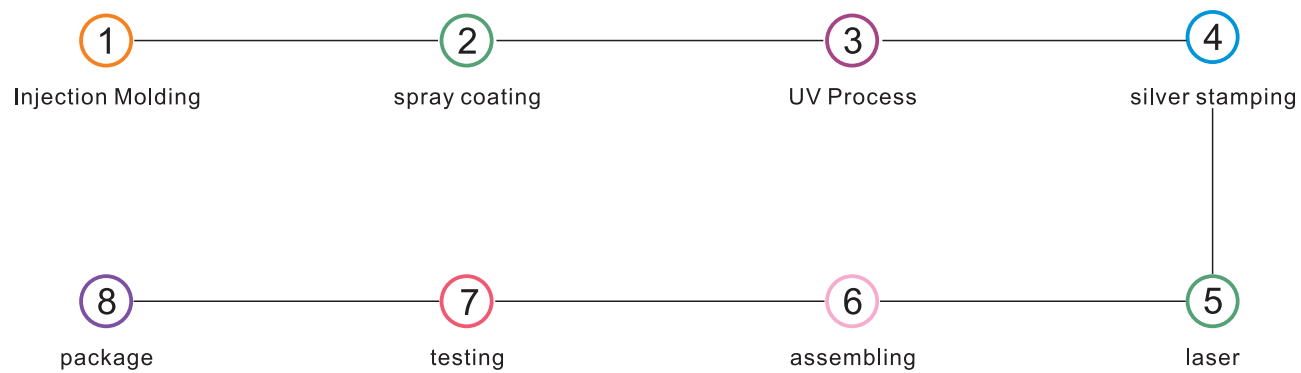


Take off over from bottom

Installation

W series smart switches

Put in wall



The W series smart switches
production process
from A to Z



H4

K-Series smart switch

3-gang scenario switch



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



K Series Smart Scenario Switch

Size: 82X124X35mm

Color: gray

Material: imported PMMA, ABS

Chipset: American TI touch chipset

Voltage: AC 110-250V/50Hz-60Hz

Power consumption: static power loss power: <0.05mW

Working environment: temperature -30 ~ 70 °C ;

humidity of 10% -95%

Service Life: 100,000 times operations

Power supply: neutral and Live line



- Touch control
- Remote control
- PC control
- Iphone control
- Android system control



1-Gang Smart Switch
H4-K120S1-SS10
(Single / Neutral Live)



2-Gang Smart Switch
H4-K120S1-SS20
(Single / Neutral Live)



3-Gang Smart Switch
H4-K120S1-SS30
(Single / Neutral Live)



LED Dimming Switch
H4-K120S1-DSL
(Neutral Live)



1-Gang dual-control Switch
H4-K120N1-DC10
(Neutral Live)



2-Gang dual-control Switch
H4-K120N1-DC20
(Neutral Live)



3-Gang dual-control Switch
H4-K120N1-DC30
(Neutral Live)



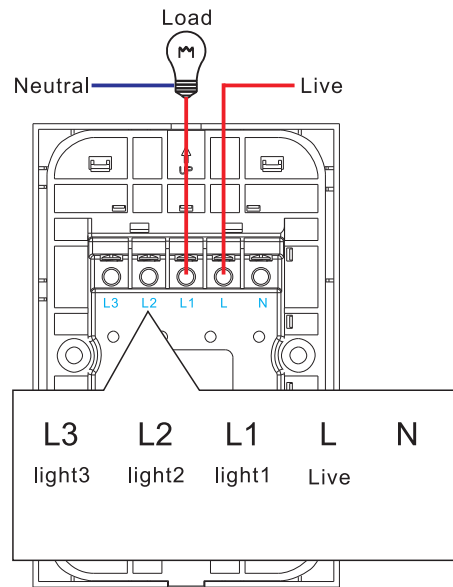
Smart Scenario Switch
H4-K120N1-SC30
(Neutral Live)



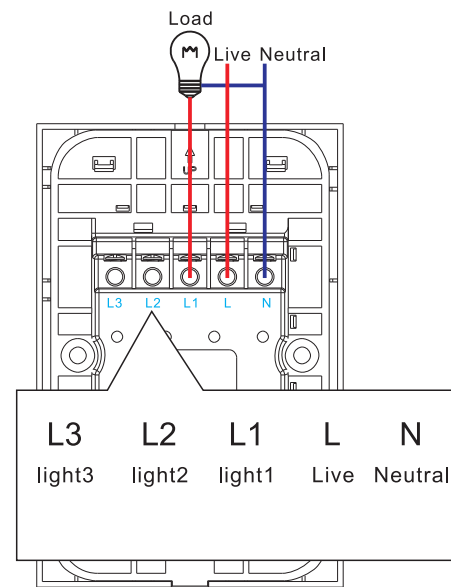
Smart Curtain Switch(HV/LV)
H4-K120N1-CC20
(Neutral Live)



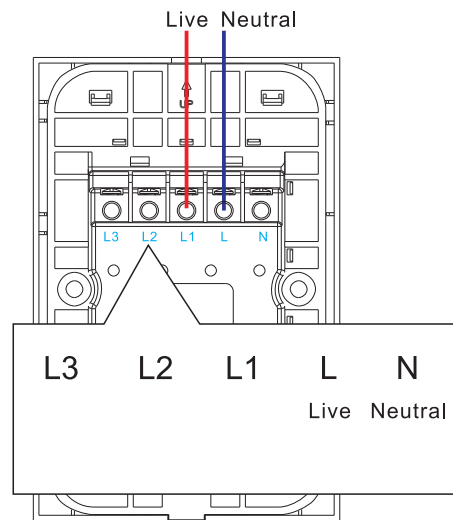
Projector Screen Switch
H4-K120N1-PS20
(Neutral Live)



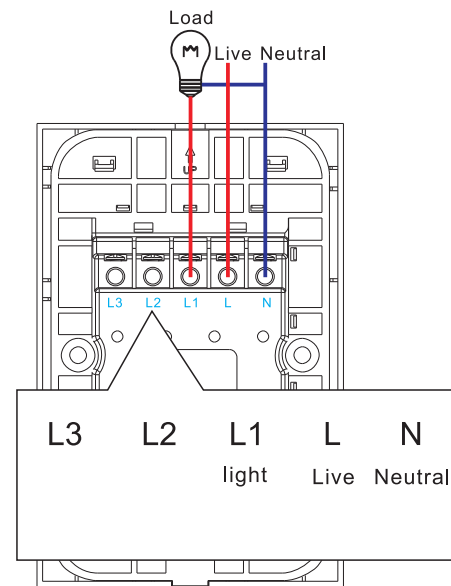
Single live wiring



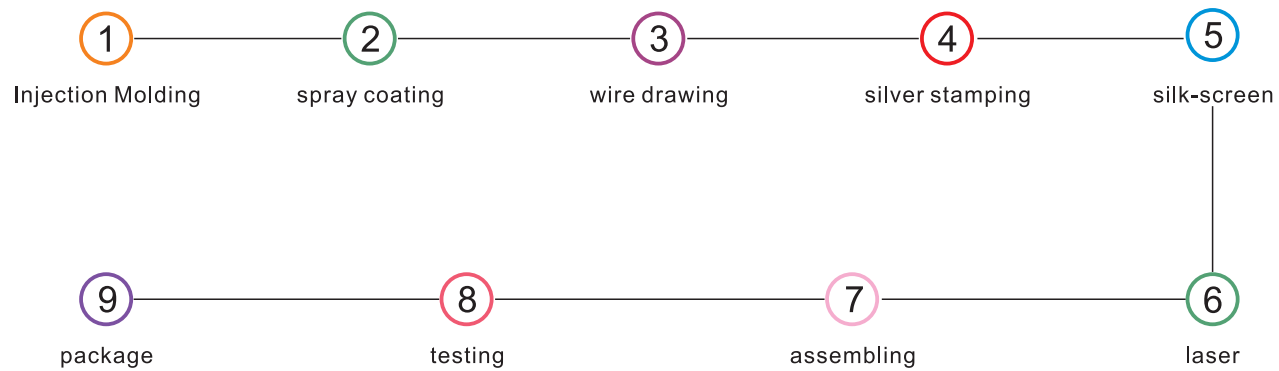
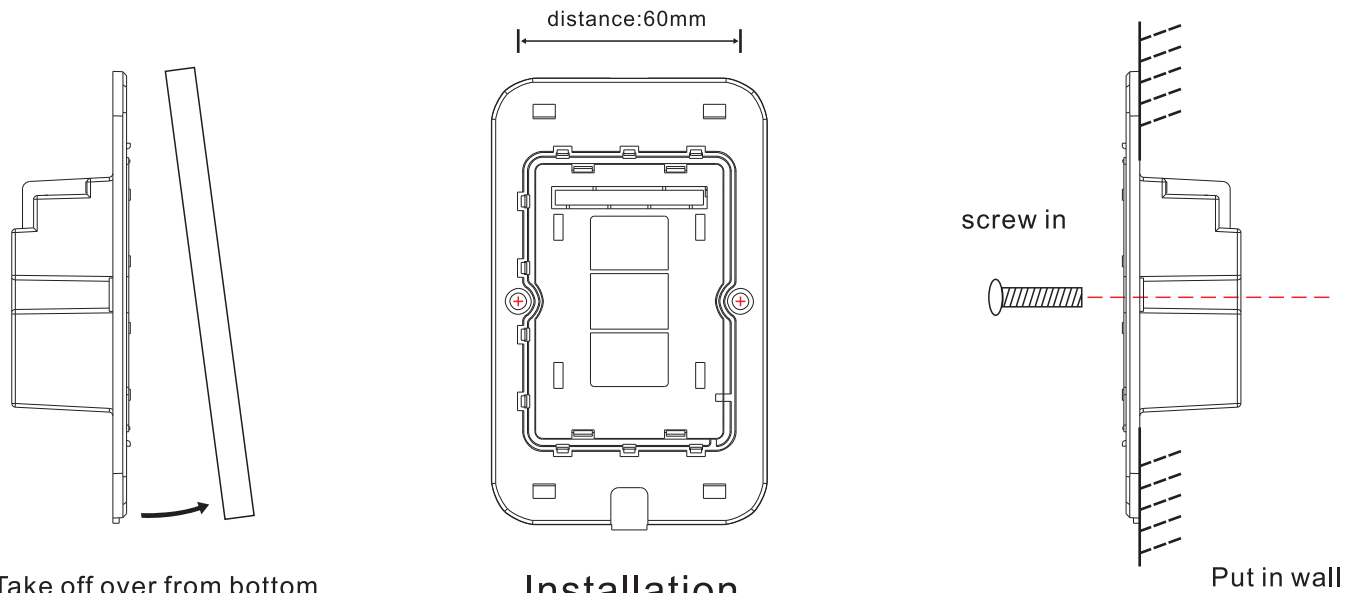
Live&Neutral wiring



Scenario wiring



Dimming wiring



The K series smart switches
production process
from A to Z

product PACKAGE

☒ Choose 1 Neutro-packing

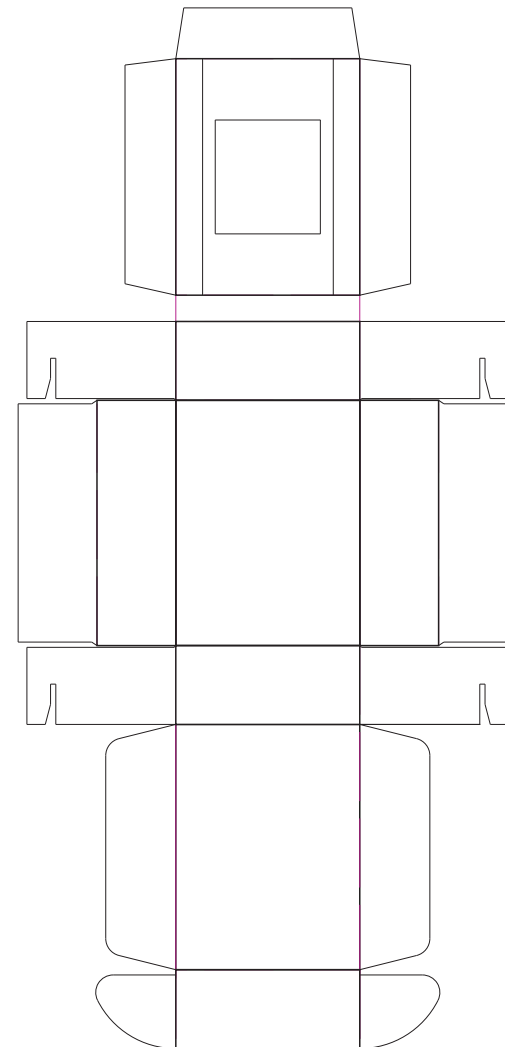
Material:kraft paper
Zise:105x140x45mm
CBM:0.0007
GW:0.27Kg
SPF: 1Pcs/Box
Process:without any special process

☐ Choose 2 Our currently package

Material:400g Copperplate paper
Zise:105x140x45mm
CBM:0.0007
GW:0.27Kg
SPF: 1Pcs/Set
Process:UV&Silver hot

☐ Choose 3 New package designed by H4

Material: Copperplate paper or other papers
Zise:105x140x45mm
CBM:0.0007
GW:0.27Kg
SPF: 1Pcs/Set
Process:depends on physical truth



CTNS

☒ Choose 1 Small

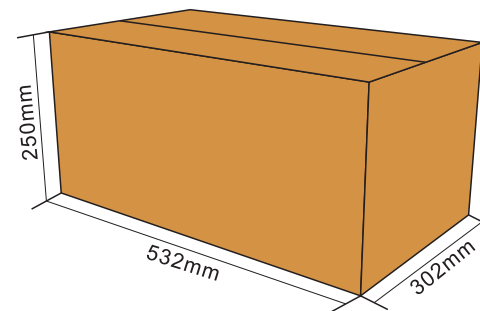
Material:kraft paper
Zise:532X302X250mm
CBM:0.0402 GW:13.5Kg
SPF : 50Sets/Ctn

1	2	3	4	5
10	9	8	7	6

TOP

1	
2	
3	
4	
5	

RIGHT



☒ Choose 2 Big

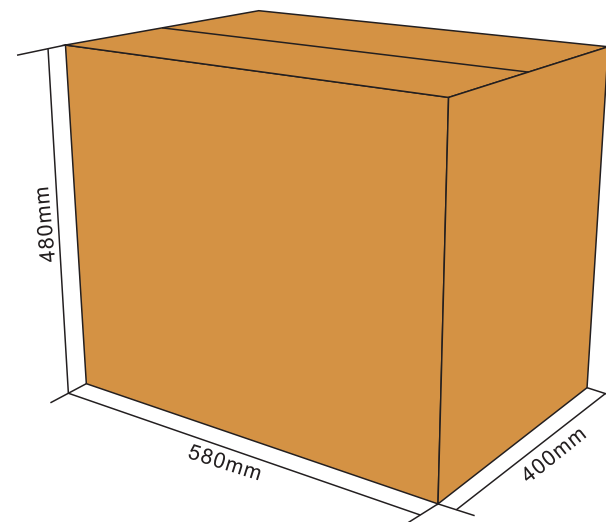
Material:kraft paper
Zise:580X400X480mm
CBM:0.1114 GW:37.8Kg
SPF : 140Sets/Ctn

1	2	3	4	
9	8	7	6	5
10	11	12	13	14

TOP

1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

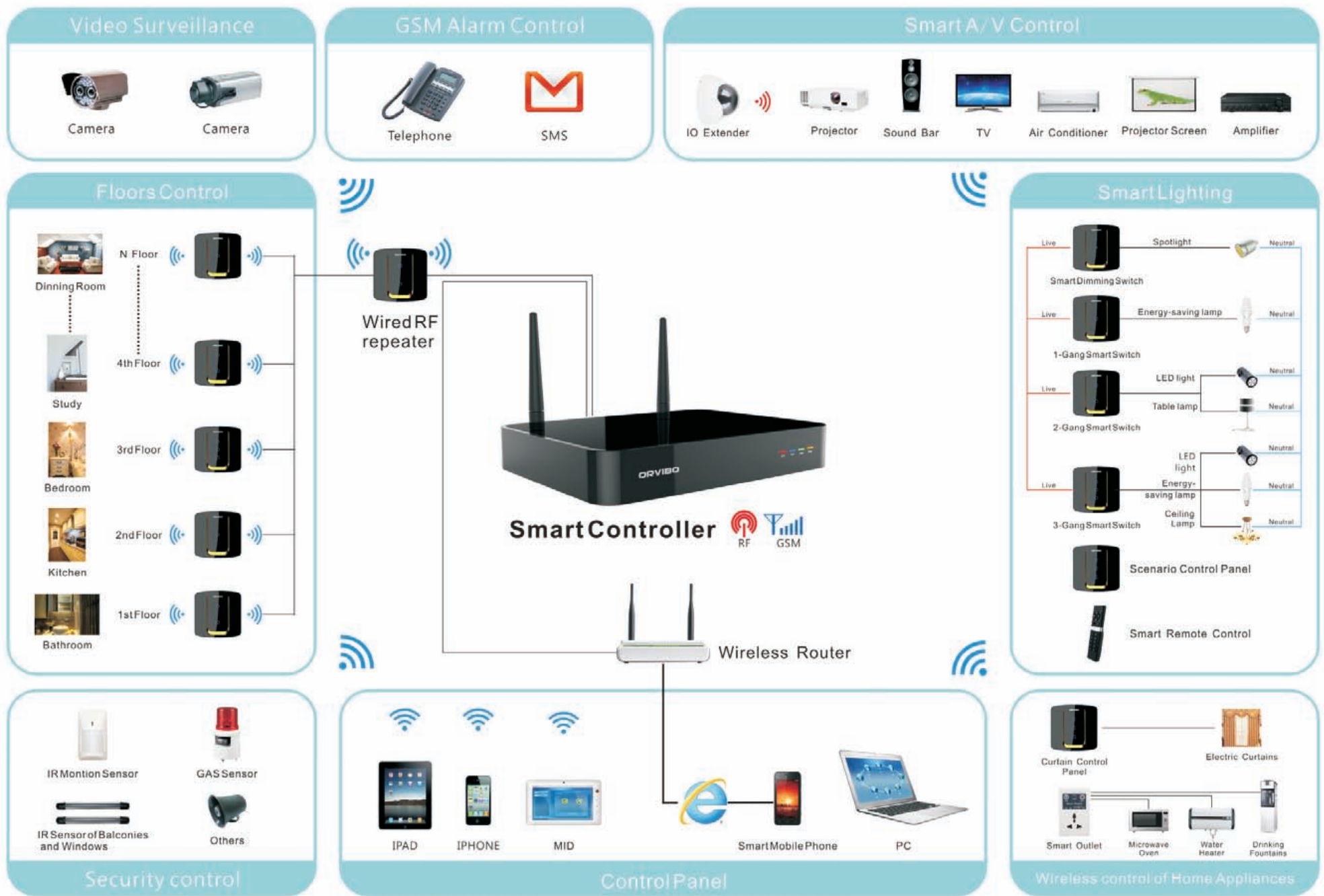
LEFT



A modern living room with a man sitting on a grey sofa, looking towards a woman walking in the background. The room features a large window with grey curtains, a black floor lamp, a red armchair, and a dark wooden TV stand. A pink semi-transparent box is overlaid on the right side of the image, containing the text 'APP' and 'H4 smart switch applications in Smart Home'.

APP

H4 smart switch
applications in
Smart Home

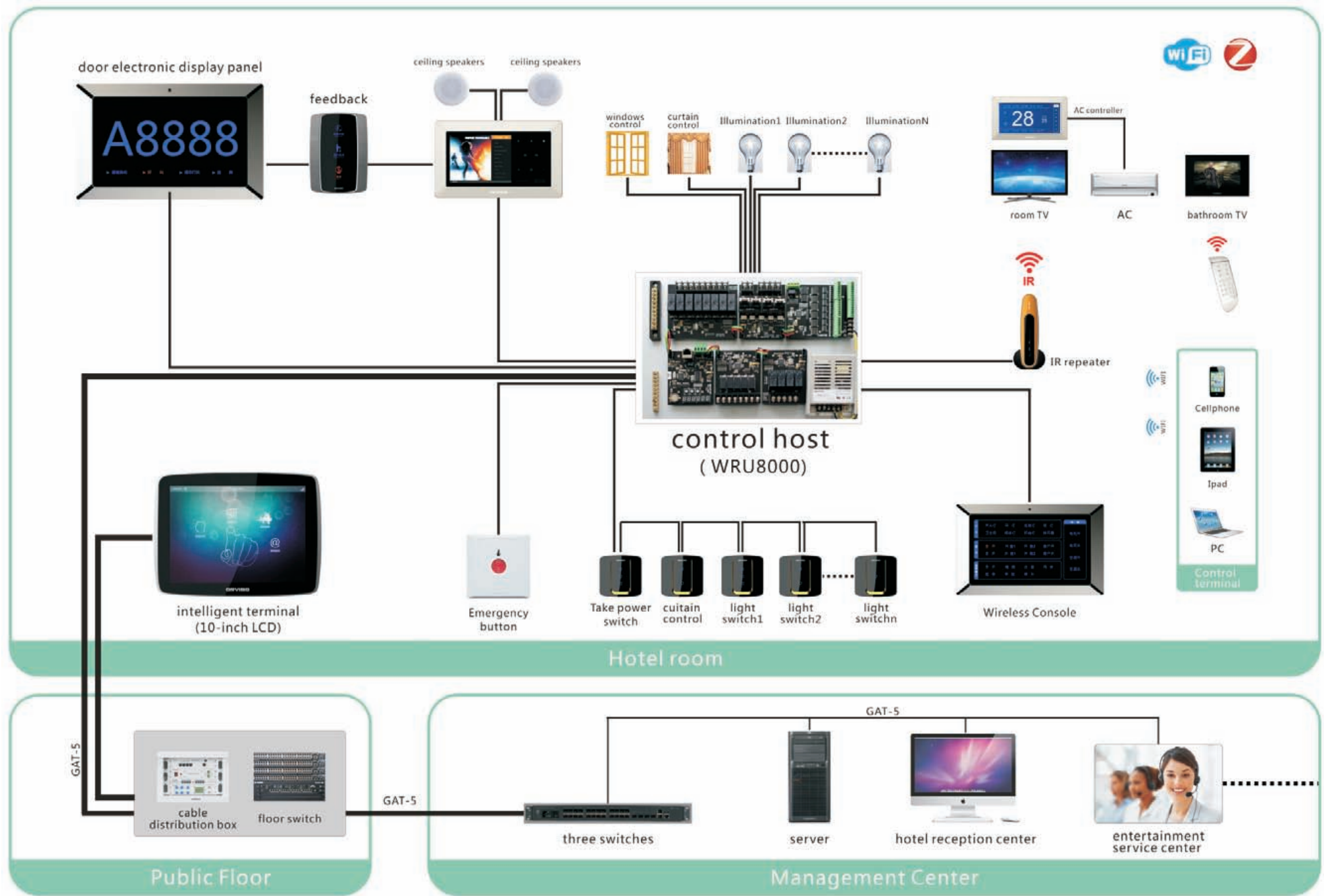


H4 smart switch applications in Smart Home
(H4 smart home solution diagram)

A photograph of a modern hotel lobby. On the left, a woman in a dark blazer stands behind a dark reception desk. In the center, a woman in a white top and dark blazer is talking to a man in a dark suit who is holding a black shopping bag with 'CEN' on it. The background features a large wall of reflective panels and a man in a dark suit standing in the distance. The floor is a light-colored carpet, and there are some small lights on the right side.

APP

H4 smart switch
applications in
Smart Hotel



H4 smart switch applications in Smart Hotel
(H4 smart hotel solution diagram)

3 Rooms
2 Halls
apartment
layout
diagram



3 Rooms 2 Halls smarthome configure reference

3 rooms 2 halls	1-gang switch	2-gang switch	3-gang switch	Curtain switch	Smart socket	Dimming switch	Scenrio switch	Remote controller
Living room		1	1	2	3	1		1
Bedroom	1	1		2	2	1	1	1
Bedroom		1		3	2	1	1	1
Bedroom		1		3	2	1	1	1
Kitchen		2			2			
Dinning room		1			1	1		1
Corridor	1				1			
Washing room			1					
Door	1						1	
Balcony	1							

2 Rooms
2 Halls
apartment
layout
diagram



2 Rooms 2 Halls smarthome configure reference

2 rooms 2 halls	1-gang switch	2-gang switch	3-gang switch	Curtain switch	Smart socket	Dimming switch	Scenrio switch	Remote controller
Living room		1	1	2	3	1		1
Bedroom	1	1		2	2	1	1	1
Bedroom		1		3	2	1	1	1
Kitchen		2			2			
Dinning room		1			1	1		1
Corridor	1				1			
Washing room			1					
Door	1						1	
Balcony	1							



Match your smart
home system

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