SIMON LIGHT UP EMOTIONS

SIMON Malaysia Web. www.simon.com.my

RCU



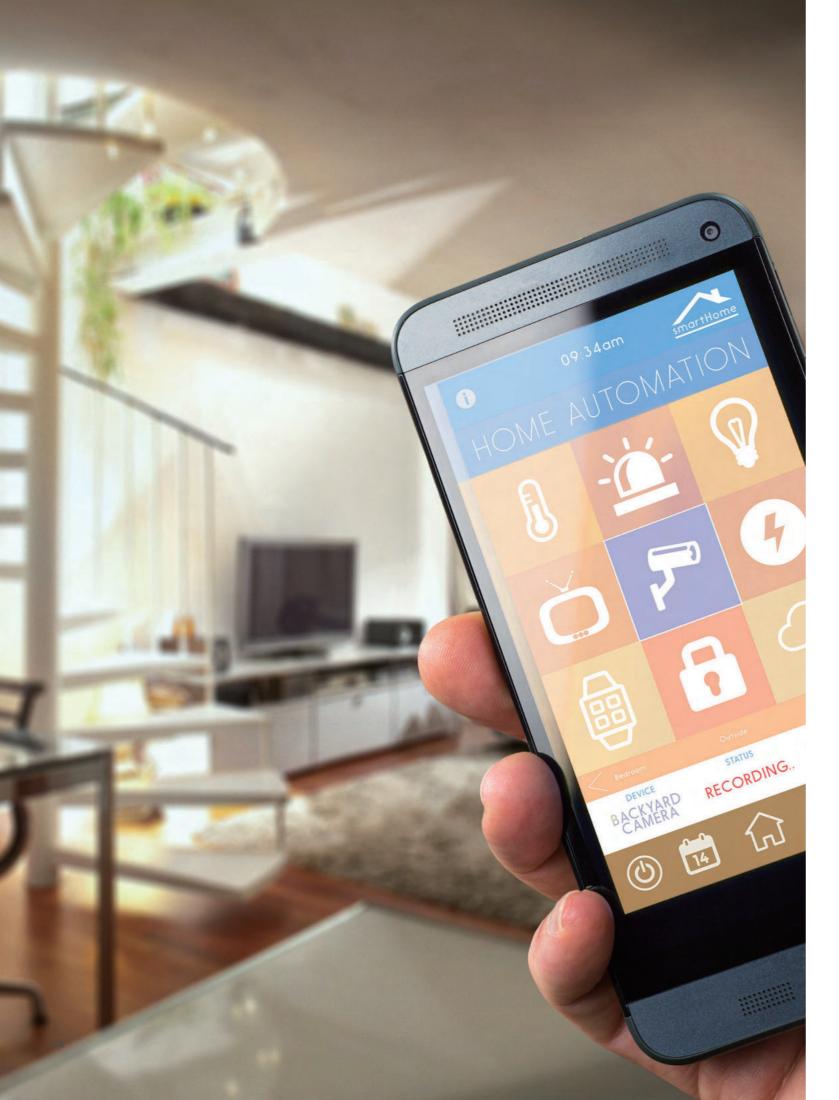
Room Control Unit Sytem
Build An Eco Living Space



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What can we bring to hotels?



Smart

Compatible with mainstream smart terminals, smart phones, tablets, users can view room status and control room facilities anytime, anywhere via intelligent terminal.





Comfortable

Lighting scene is combined with curtains, creating a warm guestroom atmosphere;

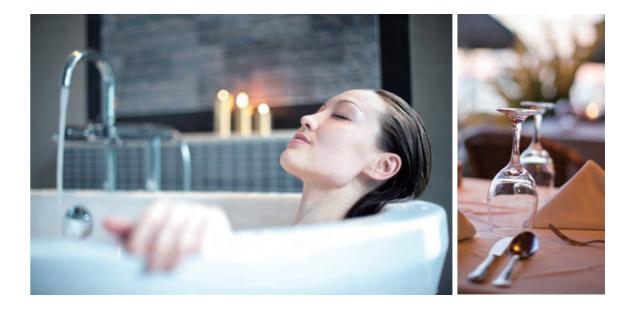
Air-conditioning system, central ventilation system, and aromatic system are applied to present a fresh and comfortable environment;

Switch panel is integrated with hotel design style, improving hotel grade.

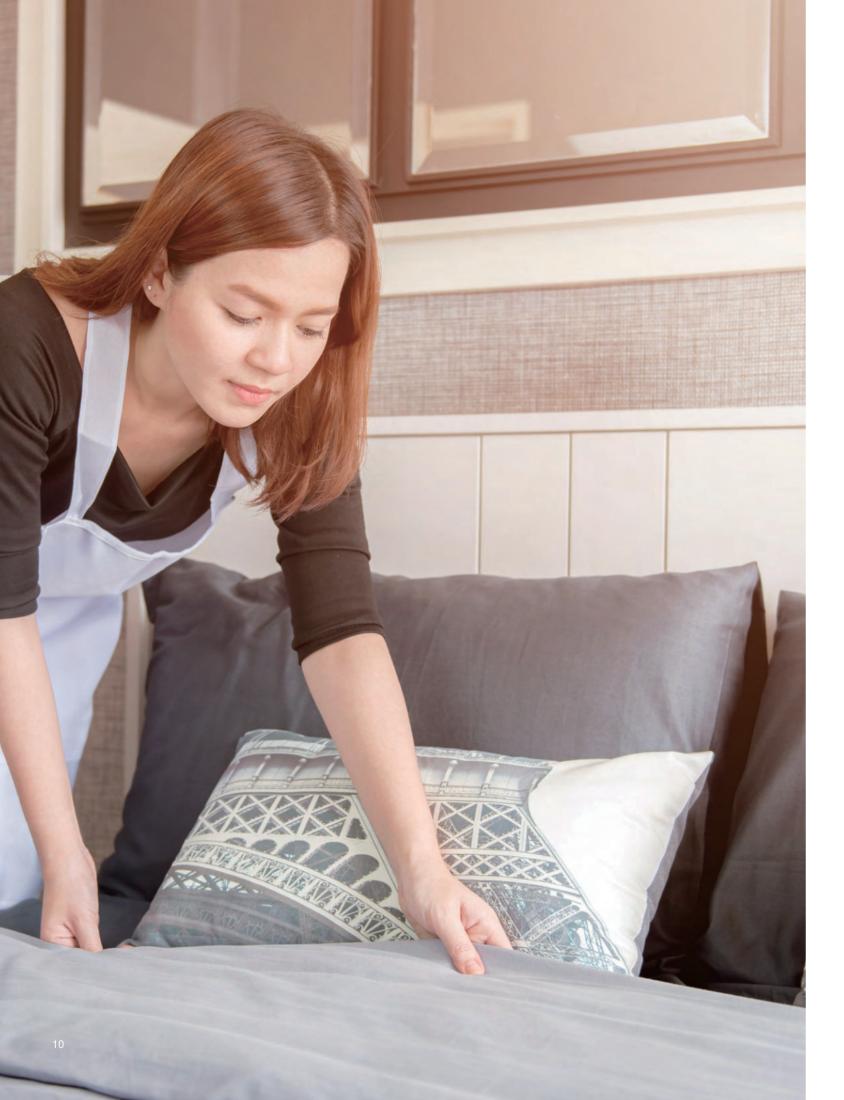


Intelligent technology and humanized design realizes simple, convenient, and understandable operation.





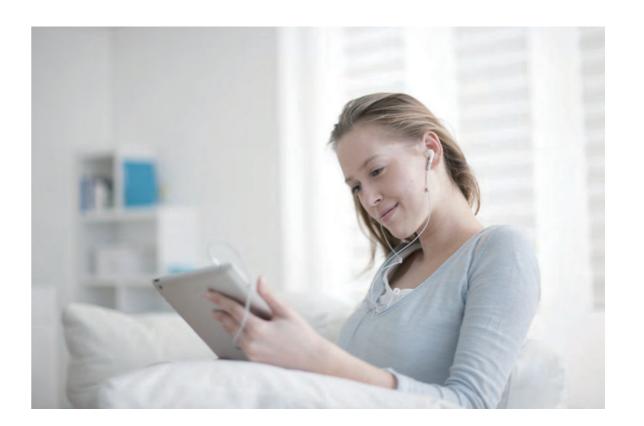
Reduce energy expenditure and operating cost through the intelligent control of air-conditioning, curtains, and exhaust fans; Effectively control lighting and avoid waste through plug-in electricity, infrared sensors, door contact, etc.



Efficient

Guest service request (SOS, washing clothes, clearing rooms, check-out, etc.) can be delivered to the customer service center promptly;

Offers efficient services.



What is Simon RCU System

TCP/IP

Networking Advantage

Simon Electric adopts mature and reliable TCP/IP with high communication rate. Any information of rooms, such as SOS or cleaning request, should be transmitted to the hotel management instantly through the full-duplex communication mode.

Communication rate/mode

The current mainstream switching Ethernet adopts full-duplex communication. It adopts copper wire UTP mode, and its transmission rate is 10M-1,000M, higher than that of various buses.

Compatibility

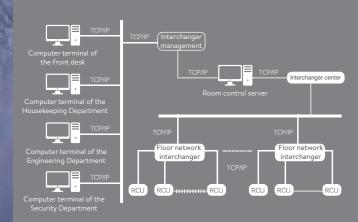
The Ethernet uses interchanger as the transmission relay, and all communication nodes can be directly connected to the network through the Ethernet. In case of any fault, the interchanger is replaceable at any time.

Interference resistance:

The common Ethernet communication media used by hotels include CAT5, CAT5E and CAT6 twisted-pail cables. The twisted-pair structure can defense external electromagnet interference to a certain extent. Such medial are generally used for signal transmission of the weal current system and can meet the anti-interference requirements of hotels.

Troubleshooting

Damage of any node in Ethernet does not affect normal communication of other devices. Fault detection is quick because the fault node can be checked directly through the system software.



Simon Advantages



Integrated eletrical products for guestrooms

The Simon Guestroom Control System perfectly fits the Simon switches and hotel lightings, which can not only maintain the system stability, but also eliminate the cooperation cycle between the guestroom control system and lighting products.

The Collocation of Rockers ---Fitting all kinds of hotel design styles

Simon products are equipped with colorful and diverse rockers made of various material such as metal, glass, wood, etc. Beyond that, personalized customization services are available, which can be perfectly suitable for all kinds of hotel design styles.





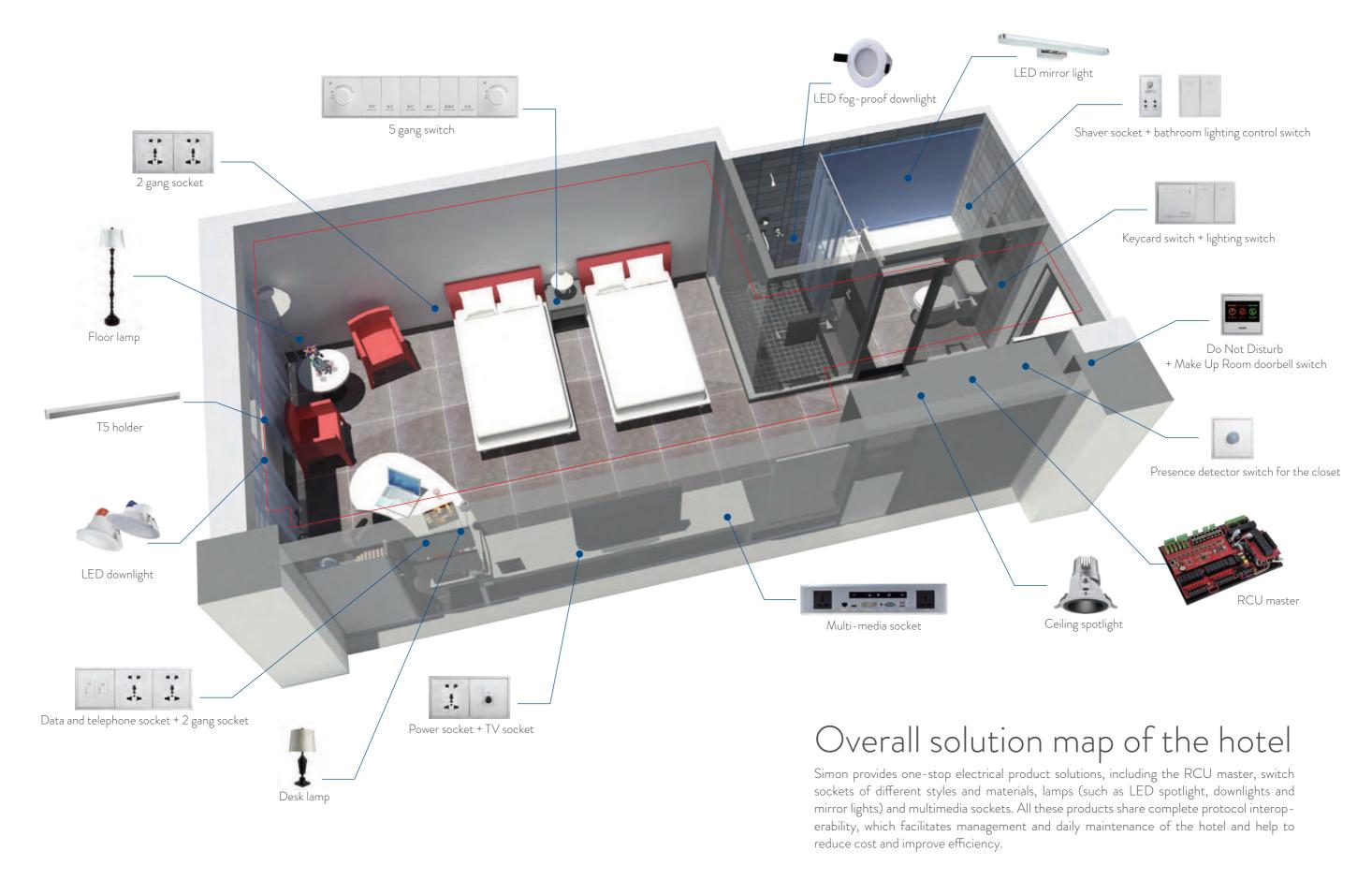


Perfect After-sale Service

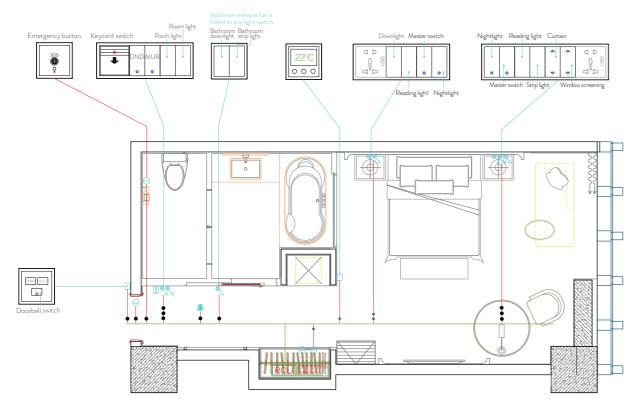
Simon provides fast, excellent and efficient after-sale service.

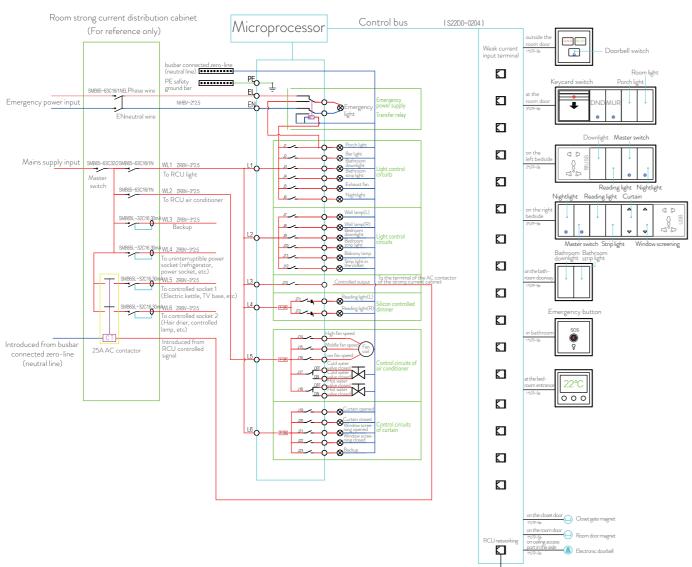






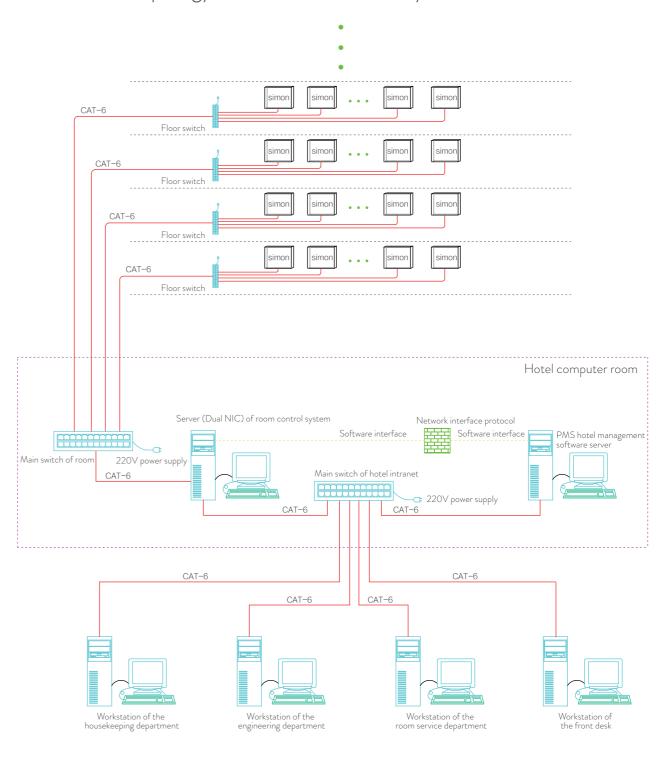






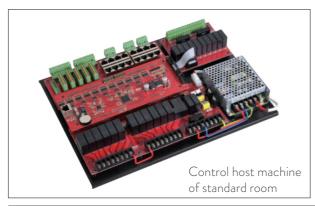
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Network topology of the room control system

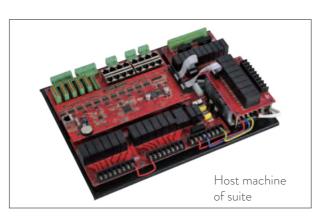


10 IP-Ordinaterior switch

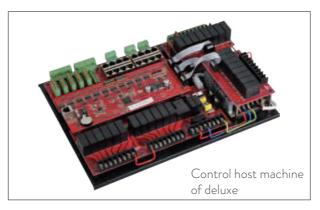
Host Machine Parameters



Serial No.	Product Name	QTY of circuits	Control mode	Remarks
1	Common light circuits	12-channel AC220V	16A relay	
2	Emergency light circuits	1-Channel AC220V	10A relay	For emergency porch light
3	Dimmer circuits	2-Channel AC220V	TRIAC	Various verified lamps
4	Fan coil of air conditioner	10-Channel AC220V	10A relay	Two groups of air conditioning control
5	Controlled power	1-Channel AC220V	30A relay	
6	Ethernet port	1-channel 10M self-adaptive port	TCP/IP	



Serial No.	Product Name	QTY of circuits	Control mode	Remarks
1	Common light circuits	20-Channel AC220V	16A relay	
2	Emergency light circuits	1-Channel AC220V	10A relay	For emergency porch light
3	Dimmer circuits	2-Channel AC220V	TRIAC	Various lamps passing testing
4	Fan coil of air conditioner	10-Channel AC220V	10A relay	Two groups of air conditioning control
5	Controlled power	1-Channel AC220V	30A relay	
6	Ethernet port	1-channel 10M self-adaptive port	TCP/IP	



Serial No.	Product Name	QTY of circuits	Control mode	Remarks
1	Common light circuits	20-Channel AC220V	16A relay	
2	Emergency light circuits	s 1-Channel AC220V	10A relay	For emergency porch light
3	Dimmer	2-Channel AC220V	Silicon controlled	Various verified lamps
4	Fan coil of air conditione	er 10-Channel AC220V	10A relay	Two groups of air conditioning control
5	Curtain control	8-Channel AC220V	16A relay	Two groups of curtain control
6	Controlled power	1-Channel AC220V	30A relay	
7	Ethernet port	1-channel 10M self-adaptive port	t TCP/IP	

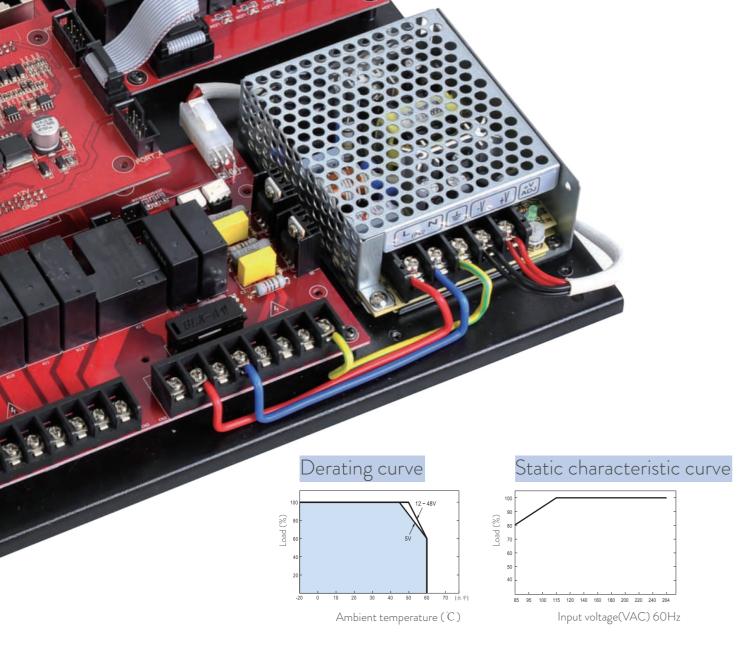


Introduction of the cabinet

Convenient to install, the 90° welding spot knock-off hole, easy to knock off, large wiring space.

Free of key and lock, easy to overhaul.

Sturdy and durable, bending strength of the sides reinforced, electrodusting surface treatment, and 1.2mm thick steel plate.



Power supply—high reliability

Introduction of power supply parameters

	Safety specifications	Certified by UL6060950-1, CB(IEC60950-1), CCC GB4943,1;2011
	Voltage withstanding	I/P-O/P:3KVAC IP-FG:2KVAC O/P-FG:0.5KVAC
Safety & EMC	Insulation resistance	I/P-O/P,I/P-FG,O/P-FG:100MOhms/500VDC/25 °C/70%RH
	Electromagnetic compatibility emission	According with EN55022 (CISPR22) Class B: EN61000-3-2,-3
	Electromagnetic compatibility	According with EN61000-4-2,3,4,5,6,8,11, EM55024,
	Electromagnetic compatibility interference immunity	EN61000-6-1,class-A light industry standards

High reliability, 100% full-load aging test.

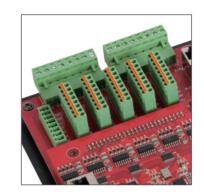
Wide voltage, internationally full-range AC input

Complete protection: short-circuit protection, overvoltage protection and overload protection.

High voltage withstanding, high voltage withstanding standard.

Environmentally friendly, natural air cooling, mute cooling.

Complete certification: EMC CCC CB UL certification.

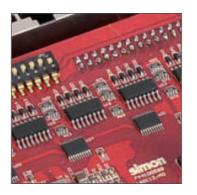


Weak current wiring terminal —quick wiring

Convenient to maintain, quick wiring and plug and pull, free of trouble caused by twisting.

High installation efficiency, higher wiring efficiency than twisting.

Stable performance, stable contact area, long-term stable system operation.



Optocoupler —anti-interference

Input signal isolation effectively to resist static electricity and improves the interference resistance, so reliability of system working can be improved significantly.

The light emitter gives out light when electric signals are applied to the input terminal, the light receiver receivers light and produces light current that flows out from the output terminal. Following this way, the "electricity—light—electricity" transformation is realized.



Relay

Contact parameter

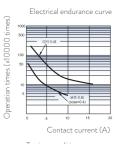
Contact form		1H、1D、1Z
Contact resistor		≤50mΩ(1A 24DVC)
Contact material		AgSnO2, AgcdO
		Resistance: 16A 240VAC/24VDC
Contact load		1HP 240VAC
	TV	/-8 125VAC (normally open contact)
Maximum switching voltage		277VAC/30VDC
Maximum switching current		20A
Maximum switching power		5540VA / 480W
Mechanical endurance		1X10 ⁷ times
		⁵ times (16A 240VAC, resistive load,
Electrical endurance		room temperature, 1s on 9s off,
		NO terminal or NC terminal).
	5X1	0 ⁴ times (16A 24VDC, resistive load,
		room temperature).

Remark: The air vent should be opened during electrical endurance testing of the plastic packaged relay.

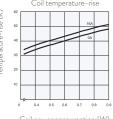
Features

·20A contact switching ability
·4kv withstand voltage between coil and contact
·Meet the VDE0700/0631reinforced insulation requirement
·Have a group of contact forms: normally open contact,
transformation and normally closed
·UL insulation class: class F insulation

-UL insulation class: class F insulation
-Environment-friendly product (according with RoHS)
-Overall dimensions: (29.0x13.0x26.5) mm



lesting conditions:
NO terminal, resistive load
Solder resist type, room temperature, 1s on 9s

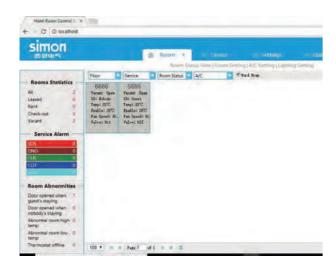


Coil power consumption (W)



Control on Phone/Pad

Smart Living
Convenient Using
Elegant & Exquisite



Management software-free-installation

BS structure. Free from installation. Easy maintenance and interface. High reliability. .net structure. High stability and smooth running. Complete function: indicate room situation, such as lodger in/out, door open/close, AC running, service information and AC setup.

Product picture	Product code	Description	General feature
	S22D0-0204	Stardand RCU	12-channel 16A relay 10-channel 10A relay 2-channel silicon controlled dimmer 1-channel 30A relay
	S22D0-0205	Suite RCU	20-channel 16A relay 10-channel 10A relay 2-channel silicon controlled dimmer 1-channel 30A relay
	S22D0-0206	Luxury RCU	28-channel 16A relay 10-channel 10A relay 2-channel silicon controlled dimmer 1-channel 30A relay
•	S2200-0102	RCU installation box	【500×440×100mm】
	S2200-0401	Surface IR sensor (DC12V)	White
	S2200-0403	Electronic doorbell (DC12V) [ding-	dong] White
	S2200-0404	Door magnetic switch (DC12V) (Five	e sets) White
	S2200-0405	Window magnetic switch (DC12V) (Fir [square, surface]	ve sets) White



List of exclusive switches and sockets for hotels (Module only)

Product picture	Product code	Description	General feature
	S2100-E604	17 RF card module (DC12V, RS485)	RS485
*****	S2100-E709	17 touching-tone temperature controller module for central AC (DC12V, RS485)	RS485
Publi	S2100-E614	Doorbell switch with led indicator (12VDC, 7 wire)	share positive anode
0	S2100-E641	1-gang ELV switch module (12VDC/RS485)	RS485
a. a	S2100-E642	2-gang ELV switch module (12VDC/RS485)	RS485
a a a	S2100-E643	3-gang ELV switch module (12VDC/RS485)	RS485
0 0	S2100-E644	4-gang ELV switch module (12VDC/RS485)	RS485
0	S2100-E117	1-gang ELV reset switch module with indicator [Flat]	dry contact
a. a	S2100-E127	2-gang ELV reset switch module with indicator [Flat]	dry contact
4 0 0	S2100-E137	3-gang ELV reset switch module with indicator [Flat]	dry contact
	S2100-E147	4-gang ELV reset switch module with indicator [Flat]	dry contact

Product picture	Product code	Description	General feature
	S1128-E604	V8 RF card module (DC12V, RS485)	RS485
	S1126-E709	V8 button-tone temperature controller module for central AC (DC12V, RS485) (matt black)	RS485
	S1126-E641	1-gang ELV switch module (12VDC/RS485/RCU host controller) (matt black)	RS485
	S1126-E642	2-gang ELV switch module (12VDC/RS485/RCL bathroom mirror lamp) (matt black)	RS485
	S1126-E643	3-gang ELV switch module (12VDC/RS485/RCU host controller night lamp reading lamp) (matt black)	RS485
	S1126-E644	4-gang ELV switch module (12VDC/RS485/RCL host controller night lamp strip) (matt black)	J RS485
	S1126-1117	1-gang ELV reset switch module (matt black) [with indicator Flat]	dry contact
	S1126-1127	2-gang ELV reset switch module (matt black) [with indicator Flat]	dry contact
	S1126-1137	3-gang ELV reset switch module (matt black) [with indicator Flat]	dry contact
	S1126-1147	4-gang ELV reset switch module (matt black) [with indicator Flat]	dry contact





Elegant
Simple
Unique
Sophisticated





Temperature controller



Multi-standard socket with double USB chargers



Doorbell switch



USB-HDMI outlet/socket



Keycard switch



Dimmer



ELV reset switch



ELV reset switch



Presence detector switch



Two pin socket and multi-standard socket



ELV reset switch



ELV reset switch



White 2-gang frame



Champagne 3-gang frame



White 5-gang frame (hotel multimedia control switch)



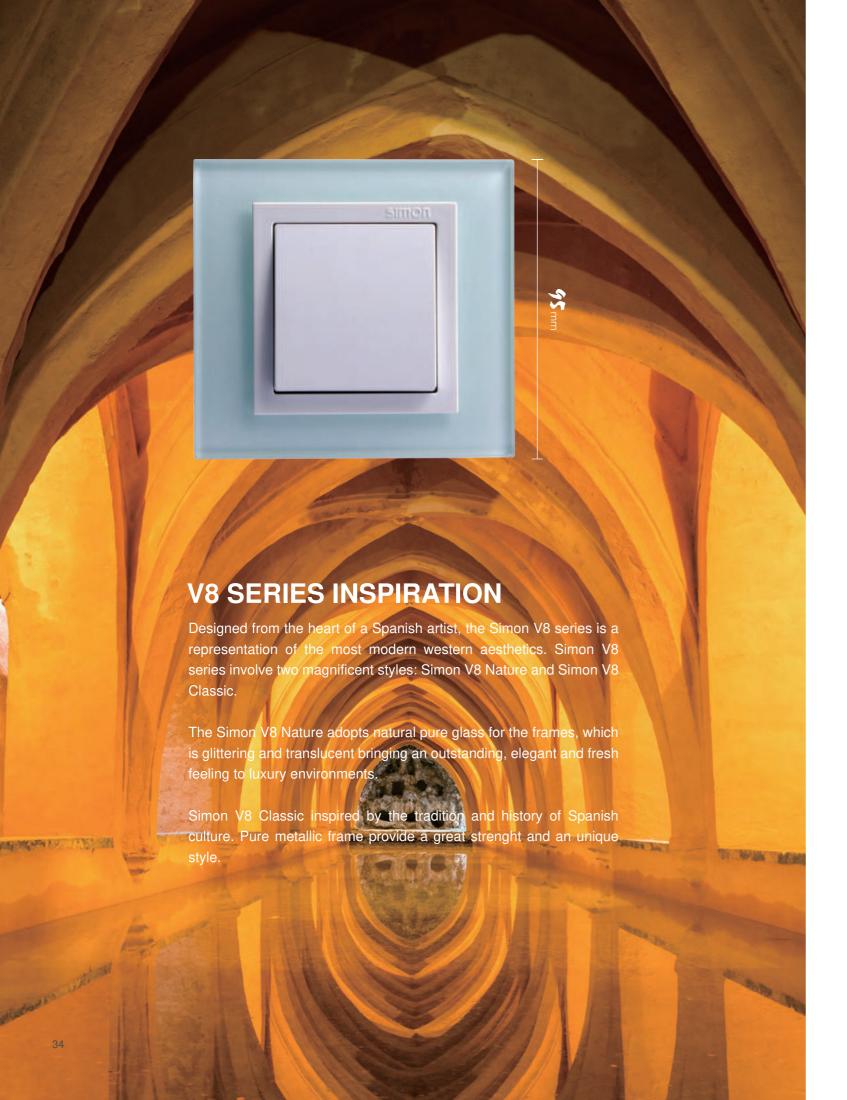
White 2-gang frame



Neon grey 3-gang frame



White 5-gang frame (hotel bedside control switch)







Crystal

Water





tone

Black Crystal





Classic Gold

Classic Silver



1-gang reset switch



2-gang reset switch



Electronic curtain switch



USB-HDMI outlet/socket



3-gang reset switch



4-gang reset switch



Doorbell switch



Presence detector switch



Keycard switch



Multimedia switch



Dimmer



Two pin socket and multi-standard socket



Stone 2-gang frame



Stone 3-gang frame



Stone 5-gang frame (hotel multimedia control switch)



Silver 2-gang frame



Silver 3-gang frame



Silver 5-gang frame

Introduction on Multimedia Sockets

Simon multimedia socket



With a special conversion function, Simon multimedia socket will convert files of portable equipment of guests, such as digital cameras and laptop computers into high-definition data, and project onto TV via a high-definition cable. Then guests would enjoy photos, videos and music, playing games and even doing business demonstration in the large-screen TV (or audio and video systems) in their rooms. This multimedia socket meets the demands of high-end hotels for cleanliness and appearance, and it is convenient to construct and reduces fault points.

Wireless projection screen

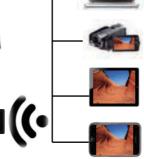
The technical characteristics

Compared to other projection technology, Simon advantage and characteristics

- ·High signal processing quality
- ·Good customer experience
- ·Support Android, iOS, Windows (Win 10 version) systems
- ·Support mobile phones and tablet computers of mainstream manufacturers
- ·Free APP installation
- ·Support remote management on ID change ·Connected with WiFi, multimedia socket will be bound with the projection screen module, thus it will prevent mistaken projection to the next room (patent technology)







High-definition all-in-one conversion

Specific conversion function The HDMI is coupled to the TV and controls automatic switch and wake-up based on the CEC protocol. It prevents messy wires caused by the complex connection of equipment onto large-screen, and also simplifies construc-







Support USB play

Support USB play The USB interface supports TV to play videos and pictures in the connected equipment. The play interface can be controlled by the TV remote control, which improves the customer experience and brings greater use.





Plug and play

Exclusive automatic detection and switching functions Customers' equipment will be detected as "video source" after plug-in. When disconnected, the TV will automatically switch to TV mode. It simplifies operation and avoids error, thus providing more convenience





Thoughtful touch control design

Thoughtful touch control design

The touch button indicator light replaces the traditional one and can be switched freely among different equipment, which creates a comfortable and fashionable experience.





Rich audio/video interfaces

Meet the demand of output diversity of portable equipment Support early interfaces (such as VGA and AV) and the latest interfaces (such as HDMI and Bluetooth). Guests do not worry about corresponding interfaces, just enjoy the high-quality experience brought by the large screen.













Convenient wireless Bluetooth music

Increase the Bluetooth accessing mode Guests will enjoy stereo music so long as to activating Bluetooth in mobile phone and connect it to large-screen TV.





Support USB charging

USB charging function

The socket provides large-current charging (5V/2A) and supports smart phones and Pads (including iPad series), thereby removing hotel guests' trouble of forgetting to taking chargers during their travel.



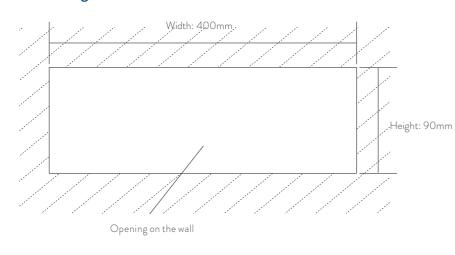


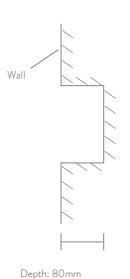
Appearance with brushed metal

Appearance with elaborate brushed metal Brushed metal texture, bold and edgy, in and modern, parallel to extravagant starred hotels.

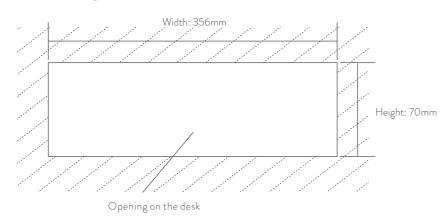


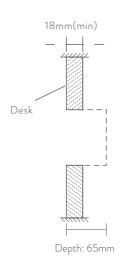
Hole drawing of the socket installed on walls



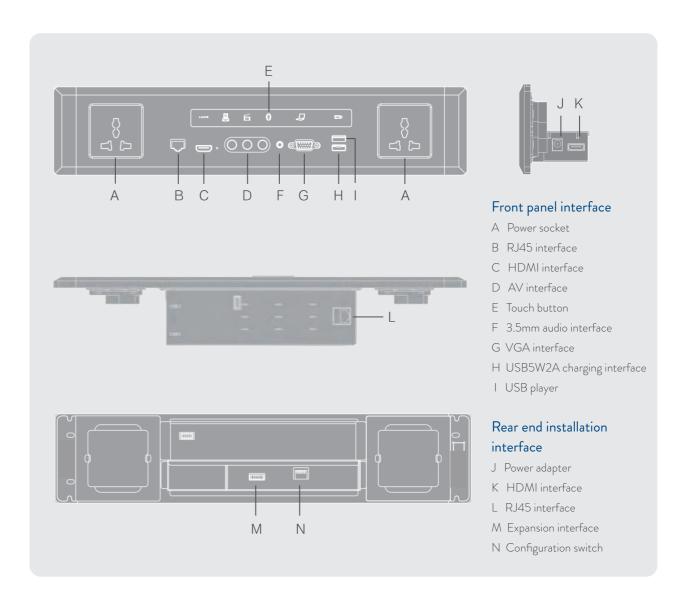


cutout drawing of the socket installed on walls desktops





Product code	Basic interface	Name
45E631-01		Multimedia socket (basic model/black)
45E631-02		Multimedia socket (basic model/champagne)
45E631-03	AV(RCA) interface	Multimedia socket (basic model/silver)
45E632-01	3.5mm audio interface	Multimedia socket (with network cable port/black)
45E632-02	VGA interface HDMI interface One USB charging interface One USB multimedia play interface	Multimedia socket (with network cable port/champagne)
45E632-03		Multimedia socket (with network cable port/silver)
45E633-01		Multimedia socket (with Bluetooth and network cable port/black)
45E633-02	Two multi-standard socket	Multimedia socket (with Bluetooth and network cable port/champagne)
45E633-03		Multimedia socket (with Bluetooth and network cable port/silver)
S0101-E634		Multimedia socket (with Bluetooth and wireless projection screen) (black)
45DH400	390×70×75mm	Exclusive metal flush mounting box
S00DH-0401	382×78×75mm	Exclusive metal flush mounting box for projection



- Requirements for TV HDMI interface
- Requirements for power supply AC 100-240V 50/60Hz 0.5A
- Optional panel color Black, champagne, silver

- Support FHD 1080P audio-visual transmission
- Support the wall-in installation and the furniture-in installation
- Cable package
 3m HDMI cable

Simon in the World







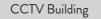


Torre Agbar, Barcelona, Spain

Kremlin, Moscow, Russia

Barcelona Olympic Stadium, Barcelona, Spain







Beijing V-Continent Crown International Hotel



Hotel JW Marriot

Simon is an industrial group with 100 years history.

Simon is made up of 25 companies throughout the world, with its headquarters in Barcelona, in the business of producing and marketing low-voltage electrical materials, electronics, indoor lighting based on LED technology, industrial and urban lighting, voice and data transmission systems. Lower thermal output (compared with the standard reference product)



Beijing National Aquatics Center (Water Cube), Beijing, China



Spanish Pavilion at the Shanghai World Expo 2010, Shanghai, China



Gopatel Hotel, Vietnam



Dolpin Plaza, Hanoi, Vietnam



Micasa All Suite Hotel, Kuala Lumpur, Malaysia



Double Tree by Hilton, Johor Bahru