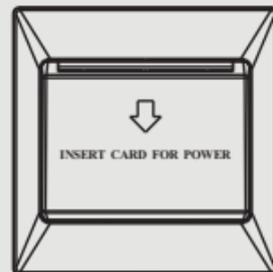


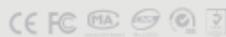
PRODUCT

USER MANUAL

Intelligent Keycard Energy Saving Switch



JK TECH CO., LTD.
www.jktech.co



- Please be careful to read the manual before using the product.
- Please preserve properly for future reference.

JK TECH CO., LTD.



■ CONTENT

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<i>components of card key switch</i>	
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■ IMPORTANT NOTES

READ BEFORE INSTALLATION

Please read carefully this manual before installation to fully understand the principle and the proper function of JKTech product.

PRODUCT SAFETY

Incorrect wiring may cause short-circuit or malfunctions.

Please refer to the wiring diagram for specific details.

Please check whether the wiring diagrams contravene local wiring rules.

HOTEL ENERGY SAVING SWITCH

Hotel card key switch can be installed in BS4662 switch box. It is recommended that its internal dimension of base box switch is 65mm*65mm*35mm. The switch can be used safely only when connected to live line and neutral line.

PROPER POSITIONS FOR INSTALLATION

1. The positions shall be convenient for easy installation and operation.
2. The positions shall be away from water, moisture, direct sunlight and dust.

TROUBLE SHOOTING GUIDE

If the product can not work properly after the installation, please refer to TROUBLE SHOOTING GUIDE in this manual.

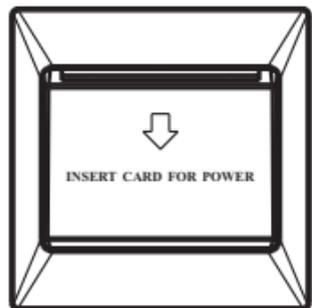
Please use dry, soft cloth material for cleaning. Do not clean the switch with anti-solvents such as alcohol, acetone and ether etc.

WARRANTY

JK TECH products come with one year, equipment-only warranty.

■ PACKAGE COMPONENTS

The components of the keycard energy saving switch series



Keycard Energy Switch



Manual(optional)



fixing screws

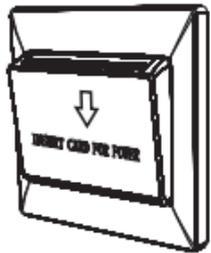
■ INTRODUCTION

The JKSW series hotel card key switch including JKSW2A, JKSW6A is featured by innovative design, convenient and simple operation. Among them the card identification type "Super Intelligent Switch JKSW6A" can be obtained power access only by correct authorized cards, good for facilitate hotel management.

With MCU programmable circuit control and a rated output current of 16A, it can completely replace traditional energy-saving switches. Correct usage of "Super Intelligent Switch" can be helpful to save power consumption by over 20%, making the product cost-effective and energy-saving.

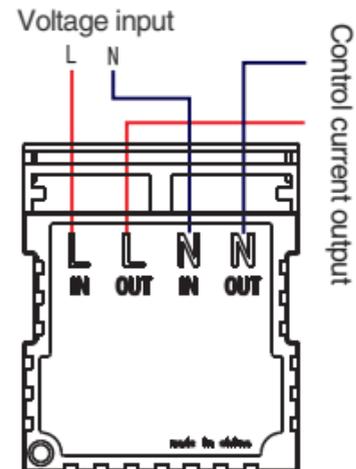
- Two-color LED for indicating working status of energy saving switch
- 10-15 seconds delay for power cut off
- Embedded EEPROM (Electrically Erasable Programmable read only memory) can permanently keep parameters even power is cut off for long time.
- Suitable for standard BS4662 box.

appearance (86×86mm)



PRODUCT WIRING

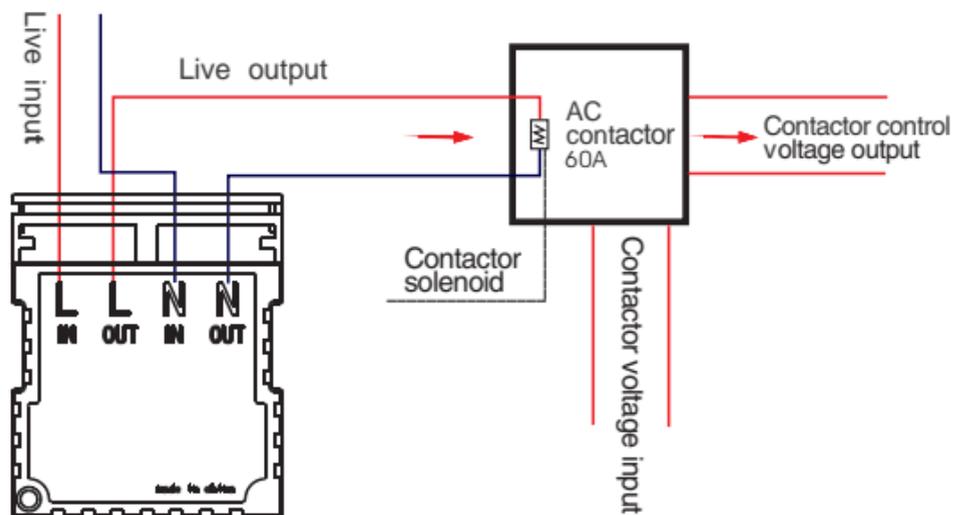
Hotel Keycard Energy Saving Switch Circuit Diagram



current output: MAX 16A (JKSW6KRMF)

PRODUCT WIRING

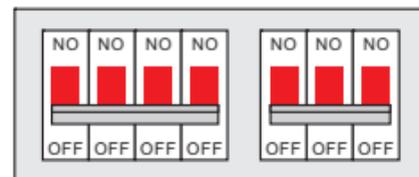
Solution for heavy current (load above 16A as figure below)



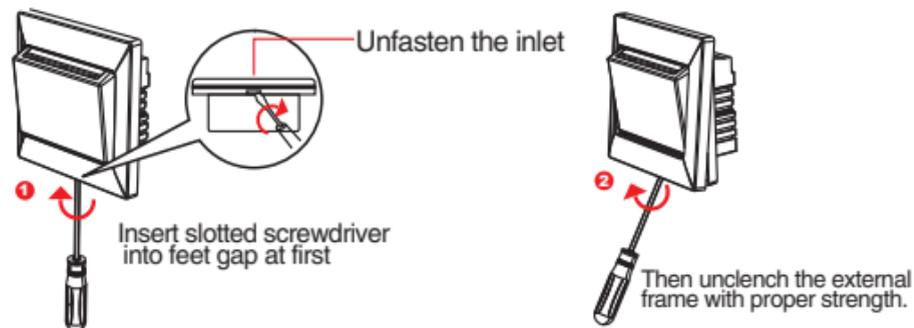
AC contactor circuit diagram

PRODUCT INSTALLATION

1. Turn off main power supply in the circuit.



2. Open the cover of hotel card key switch with screwdriver



PRODUCT INSTALLATION

3. Draw out power cable, network cable from switch box and trim up, press tightly on terminal block as illustration;

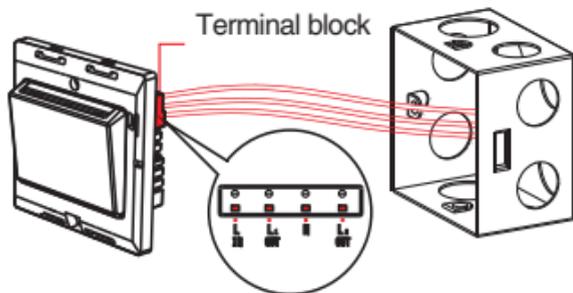
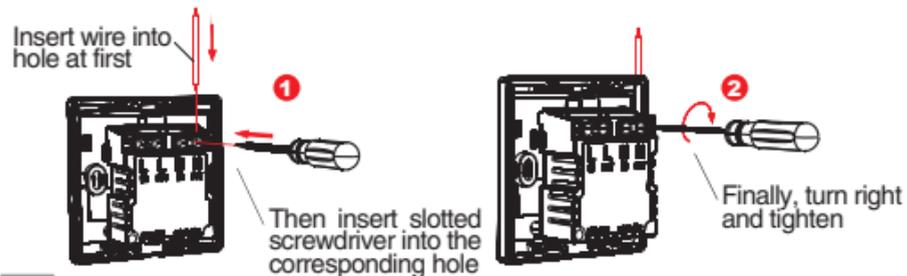
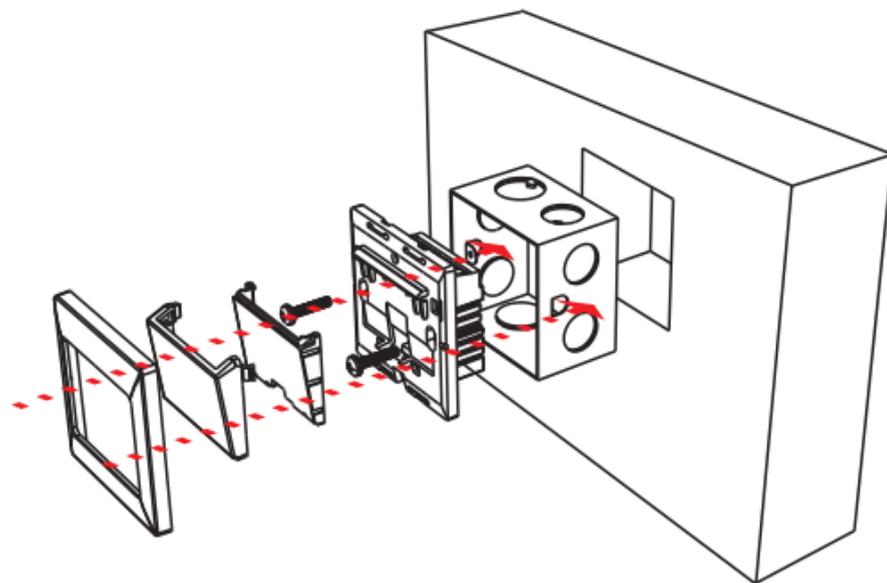


Illustration of wiring method



PRODUCT INSTALLATION

- Installation process of hotel card key switch (see figure)



■ PRODUCT SPECIFICATION

MCU processor	24MHz/64k MCU
Operating voltage	AC50HZ 190~240V
Current loading	MAX 220V 16A
Dissipation power	<0.2W
Service life	More than 100 thousand times for use while full load under 220V
Operating temperature	0°C~50°C
Operating humidity	At 50°C 10~95%RH
Environment	Transport and store temperature range: 0 -80°C
Installation	fit for standard BS4662 back box (86*86 back box)
Dimension	W86mm×H86mm×D42mm

Note: Rated control current of hotel card-type energy saving switch is 16A, its maximal surge current is 30A. If guest room need power with long term and heavy current, please install one AC contactor of above 60A .

■ JKSW series description

	Card key switch	Load type	Rated operating current	Operating voltage	Functional description
Hotel Card Key Switch	 JKSW6KRMF	for hotel guest room	16A	90V~130V 60Hz	Insert mifare S50 card for power, 15s' delay, correct room card only after programming
	190V~240V 50Hz				
	 JKSW2K		30A	90V~130V 60Hz	JKSW2K: Insert mifare card for power 15s delay
		190V~240V 50Hz		JKSW2L: Insert any card	

■ TROUBLE SHOOTING GUIDE

Symptom	Possible cause	Solutions
No power after inserting card.	1.Cut of Main switch or creepage protection switch	Turn on the main switch or creepage switch. if still trip, please check equipment if there is creepage.
	2.Incorrect wiring or poor contact	Read user manual carefully, and ensure that input wire and output wire are tightly fixed on the terminal blocks.
	3.The electrode of IC card is oxidized or covered with the dirt, resulting a poor contact.	Clean up the dirt on IC card
	4.The heterogeneous card or wrong card is inserted	Ensure the card is correct.
No power cut after taking out the card	1.Overcurrent spoils power supply	Tap power switch, please return it to the agent or the manufacturer if it's not resolved.
	2.Blocks of contamination in card jack.	Clean the switch card jack.

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