

# Switches DATA sheet

## BWS209-1



- ◎ Working Volt: DC12V±3V power supply by RCU
- ◎ Dimension: 86×86mm type
- ◎ working temperature: -10~50°C

## Wiring method

brown brown white----- DC12  
 green white----- GND  
 orange orange white-- ---B  
 blue blue white-----A



## BWS209-3 multi switches



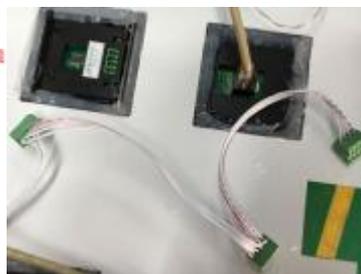
- ◎ Working Volt: DC12V±3V power supply by RCU
- ◎ Dimension: 86×258mm type
- ◎ working temperature: -10~50°C
- ◎ The switches input /output modules connect area wired method

the multi switches BWS209-3 three in one type--- Back area connect

联体总线开关级联时中间加一个4P的连接线，每处只需一根网络总线



总线开关级联接线示意图





**ENERGY-SAVING SWITCH part of the BWS209-3**

- Identification function----When different types of card are inserted into the switch, the management computer instantly shows different identities, such as a guest, a service staff or an administrative staff;
- Management system is able to automatically modifies the room status according to the type of the card. If a guest card is inserted, the system will show the room "already rented "; If a waiter card is inserted and the service switch is pressed, the system will show "the room service request has been cancelled";
- The power will be automatically cut off within 20 seconds after the room card is taken off but the refrigerator, battery chargers and air conditioners, etc.will keep on working. After the guest card is pulled out, the letters "NO DISTURB" will be cancelled automatically, if, however, the room needs cleaning, the system will show the room is "nobody but rented".

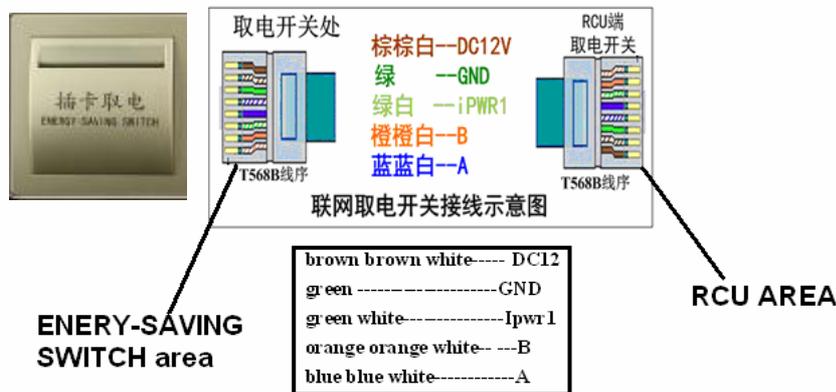
© Technical parameters

Card type	RF mifare card
Card size	84*54*1mm
Working voltage	DC10~15V, RCU
Working current	<40mA
Communication	RS485, 9600BPS
working condition	-20℃~55℃
imension	86*86*12mm

**ENERGY-SAVING SWITCH wired with the RCU**

- brown brown white----- DC12
- green -----GND
- green white-----Ipwr1
- orange orange white-- --B
- blue blue white-----A

**ENERGY-SAVING SWITCH wired with the RCU BWRC388**



### Thermostat part of the BWS209-3

networking temperature control switch for air condition is adopted the advanced international MCU control chip, through the internal high-precise NTC sensor to detect the indoor temperature, through the RS485 communication protocol, the real-time temperature and user setting temperature parameters are uploaded to BWRC388 guest control system of the control unit. With the control unit controls the Line valve and fan coil, the energy saving and remote control requirements are satisfied.



Temperature control switch is adopted both manual and automatic control mode and the manual control mode enjoys priority. 3 working mode: cooling, heating or ventilating can be realized by temperature control switch button and the temperature, speed and time on & off also can be set thermostat does not directly control the fan set but through the weak current to control high voltage. This design isolates people from high voltage which completely eliminates the hidden dangers to users.

#### © Technical parameters

working voltage	DC12V±3V, RCU
Working current	<25mA
Temperature control scope	10°C ~ 30°C
Compensation temperature scope	-9°C ~ +9°C, Default to compensate for temperature: -1°C
communications parameters	RS485, baud rate of 9600BPS
Temp Accuracy	±1°C
Backlit color	Blue-B(standard) , Green-G (customized)
working condition	0°C ~ 55°C, , maximum 90%RH (do not be gelled)
contour dimension	H86×W86×D13mm