

# Product datasheet

## SK-CP021 Key Card Switch



| Product model | Description                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------------------|
| SK-TP011      | Product name: SK-CP021 Key Card Switch<br>Power supply voltage: DC 12V<br>Communication interface: RS485, dry contact output |

## ◆ Product Overview

The SK-CP021 Card-Operated Power Switch utilizes high-frequency 13.56MHz Radio Frequency Identification(RFID) technology. It supports an RS485 communication interface and dry contact output. It works in conjunction with the Room Control Unit (RCU) to manage power usage within the guest room.

## ◆ Key Features

- Supports communication interface: RS485.
  - Supports dry contact output.
  - Employs high-frequency 13.56MHz RFID technology.
  - Standard 86-type box installation with a tool-free mounting bracket, ensuring factory-quality integrity.
- Built-in hardware watchdog circuit to prevent crashes and ensure stable, reliable operation.

## ◆ Technical Parameters

| Basic Parameters        |                          |
|-------------------------|--------------------------|
| Operating Power Supply  | DC 12V                   |
| Current Consumption     | < 200mA                  |
| Communication Interface | Standard RS485 Interface |
| Output Interface        | 1 Dry Contact Output     |
| Baud Rate               | 9600bps                  |

|                                 |                                                                               |
|---------------------------------|-------------------------------------------------------------------------------|
| Effective Card Reading Distance | 8 ~ 10cm                                                                      |
| Supported Protocol              | ISO/IEC 14443 Type A/Type B Protocol                                          |
| Operating Frequency             | 13.56MHz                                                                      |
| Physical Parameters             |                                                                               |
| Housing Dimensions              | Standard 86-type Switch Panel Size, adapt to the standard panel hole openings |
| Operating Temp. & Humidity      | -10°C-45°C, 40%-70%                                                           |
| Storage Temp. & Humidity        | -40°C-70°C, 40%-95%                                                           |
| Installation Method             | Recessed (Embedded in Wall)                                                   |

## Front View Diagram



## ❖ Rear Interface Connections



- +12V: DC 12V Positive Input;
- GND: Ground;
- DA: Connect to RS485 Bus A;
- DB: Connect to RS485 Bus B;
- K1,K2: Dry Contact Output.