D6720 Intelligent Power Controller

Description

The D6720 Intelligent Power Controller is an innovative solution designed for efficient and flexible power management, offering a comprehensive suite of features that include real-time voltage monitoring, user-friendly interface, and precise control over eight power channels, making it ideal for integration into modern facilities seeking automated and centralized control systems.

Features

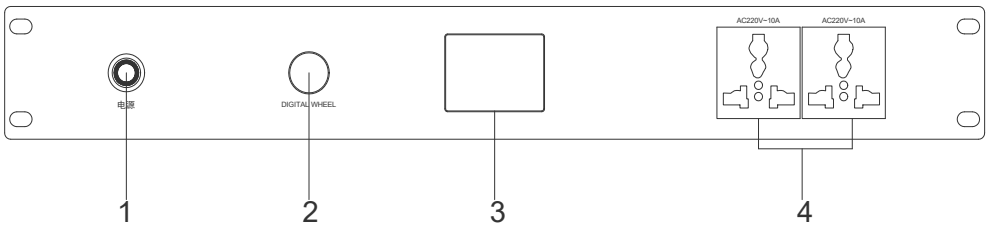
- The 2.4-inch LCD screen of the host computer shows the current voltage of the power supply, the switching state of each power supply channel, date, channel time setting, timing setting, ID setting, and Chinese/English languages can be selected.
- Independent eight-channel high-power power output, universal socket, can meet various types of power sockets.
- The switch status of the eight channels can be controlled, operated and displayed by the panel; the channels can be turned on/off in sequence through one-button on/off on the panel to realize the timing function;
- When starting up, all types of equipment are started one by one from the front stage to the rear stage. When shutting down, each equipment is turned off one by one from the rear stage to the front stage. Effective unified management and control of electrical equipment ensures the stable operation of the entire system;
- It can be widely used in multimedia classrooms, multi-function halls, conference rooms, projection splicing, video conferences, monitoring centers, building control, management command centers and other fields.
- 8 channels of controllable power supply, which can be operated and controlled by the shuttle button on the display to control the status of each power channel.
- 8 channels of controllable power supply, each with customizable delay times for both turning on and turning off each channel.
- Each device ID can be set and RS485 serial port cascaded to achieve remote centralized control;
- It has an RS485 serial port to realize seamless connection with the central control system.
- 2 channels of direct power supply;

- Set the date and control the power channel regularly without manual operation;
- External short circuit signal triggers the machine to turn on;
- External short circuit signals trigger the generation of dry contact signals, which can trigger the operation of other devices;
- The machine can be turned on and off remotely through the power management control panel D6714;
- The total power supply capacity is 220V/25A, a total of 5500W; the maximum load of a single channel is 16A;
- The 10A/16A power plug can be directly inserted into the 8-channel power channel socket, and the 10A power plug can be directly inserted into the 2-channel power channel socket on the panel.

Specifications

Model	D6720
Power Input	8-channel Universal Socket + 2-channel Direct Socket
Single-channel Maximum Load	16A
Control Methods	Panel Buttons, RS485, External Short-Circuit Signal, Touch Control Panel
Power Capacity	Total Capacity 220V, 25A, 5500W
Input Power	AC220/50Hz
Sequence Interval	0-999s
Package Size (L×W×H mm)	535×395×130mm
Product Size (L×W×H mm)	483×240×66mm
Net Weight	4.3kg
Gross Weight	5.6kg

Front / Rear Panel



1. **Power On/Off Indicator Light**

- The indicator light is on when the power is turned on, flashes according to the shutdown sequence when the power is turned off, and goes out after all channels are turned off. The status of this light is synchronized with the indicator light on the D6714 intelligent power management control panel.

2. **Shuttle Control Knob**

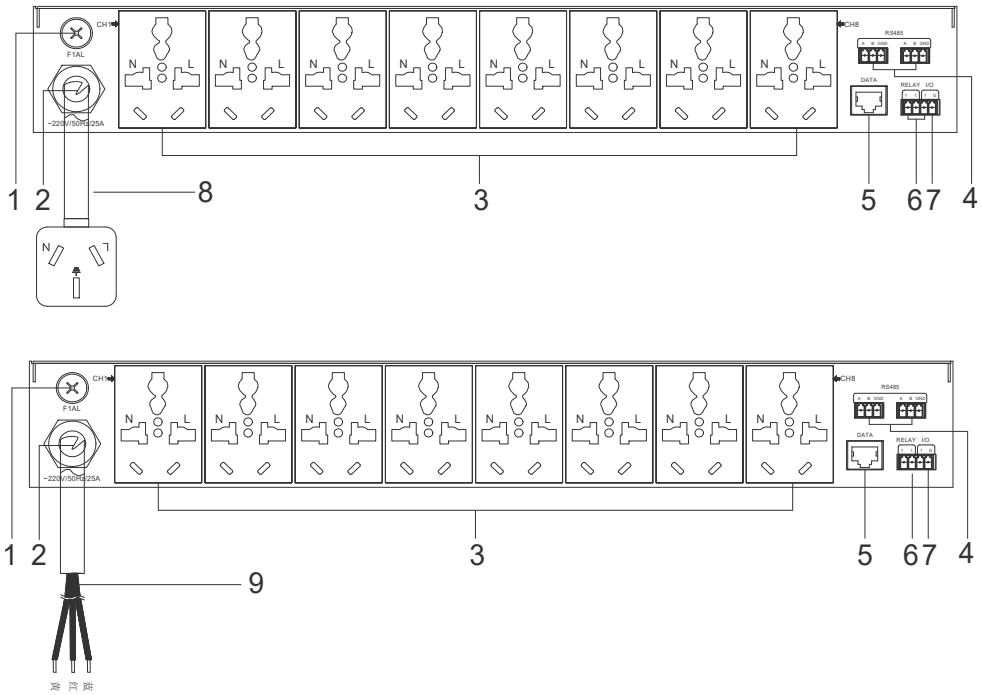
Operate the local settings by turning left/right/pressing.

3. **2.4-inch TFT color screen**

- The 2.4-inch LCD screen of the host computer shows the current voltage of the power supply, the switching state of each power supply channel, date, channel time setting, timing setting, ID setting, and Chinese/English languages can be selected.

4. **2-Channel Power Socket(Direct)**

There are two situations with the power cable on the rear panel:



1. Power Fuse Holder

If the fuse is blown, please replace it with a fuse of the same specification; if the fuse continues to blow, there is a short-circuit fault inside the machine. Please remove the fault and replace the fuse.

2 Local Power Input Cable

3 8-Channel Power Socket

① Can be plugged into 16A/10A power plug;

② The maximum current of each channel is 16A.

4 RS485 Interface (can be cascaded)

The system has a maximum of 16 units.

5 DATA Interface

Connect the DATA interface on the rear panel of the D6714 power management control panel through a network cable, and the connection distance is ≤200 meters.

6 6-Relay Dry Contact Output

When the device is powered on by a short-circuit trigger, the dry contact outputs synchronize to generate a short-circuit signal.

7 IO Short-Circuit Trigger Input

The device can be powered on by inputting an external short-circuit signal and powered off by disconnecting the short-circuit signal.

8 Power Cable

The power cable is rated for 220V/16A load.

9 Power Cable

The power cable is rated for 220V/25A load and needs to be connected to the distribution box.