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› [EVERSECU 9 Channel DC12V 5 Amp PTC Fuse CCTV Power Supply User Manual](#)

EVERSECU 4348293478

EVERSECU 9 Channel DC12V 5 Amp PTC Fuse CCTV Power Supply

Model: 4348293478

Brand: EVERSECU

1. PRODUCT OVERVIEW

The EVERSECU 9 Channel DC12V 5 Amp PTC Fuse CCTV Power Supply is designed to provide stable and reliable power to multiple security cameras, DVRs, and IP cameras. Encased in a durable metal box with a lock, this unit ensures secure power distribution for your surveillance system. Each output channel features an independent PTC resettable fuse and LED indicator, offering protection against overloads and short circuits, thereby enhancing system reliability and minimizing downtime.



Figure 1.1: Front view of the EVERSECU CCTV Power Supply box.

2. KEY FEATURES

- **Input Voltage:** 100-240VAC, ensuring compatibility with various power grids.
- **Output:** Stable 12VDC with a total supply current of 5Amp.

- **Channels:** 9 independent output channels, each with a maximum current of 1.1Amp.
- **Individual PTC Fuse Protection:** Each output has an independent PTC resettable fuse and LED indicator. In case of a problem, only the affected output is impacted, allowing other channels to continue functioning.
- **Circuit Short Protection:** PTC fuses automatically open the circuit during a short condition and reset once the condition is removed.
- **High Voltage Protection:** Integrated surge protection safeguards connected devices from high voltage spikes.
- **Over Current Protection:** The power supply automatically enters a self-protection status during overcurrent events and returns to normal operation when the condition is resolved.
- **Durable Metal Housing:** Compressive, wear-resisting, and reinforced enclosure structure for enhanced safety and convenience.
- **Security:** Includes a lock with keys for secure installation.

3. SETUP INSTRUCTIONS

3.1. Unpacking and Inspection

Carefully unpack the power supply unit and inspect it for any signs of damage during transit. Ensure all components listed below are present.

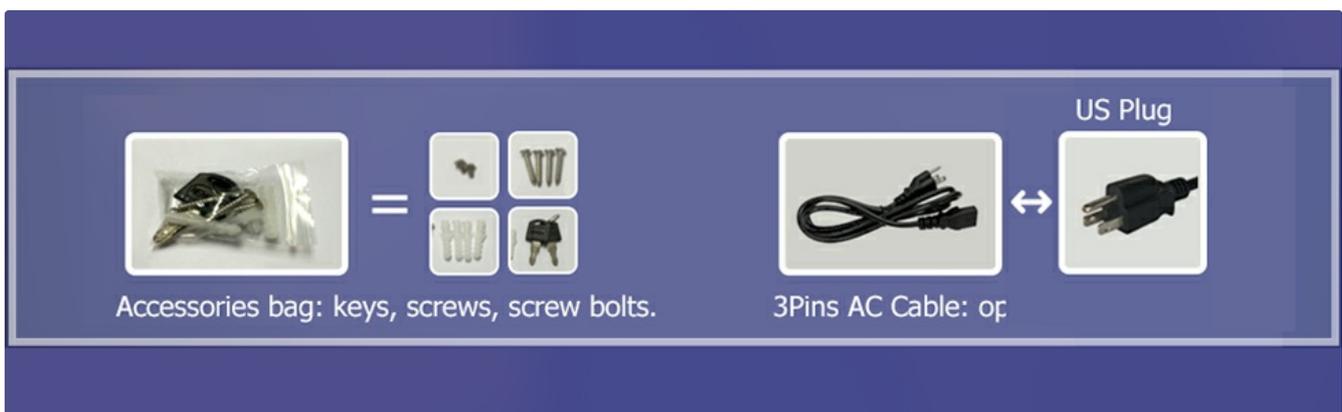


Figure 3.1: Included accessories.

3.2. Mounting the Unit

Choose a suitable, dry, and well-ventilated location for mounting the power supply box. Use appropriate screws and anchors (included) to securely fasten the unit to a wall or other stable surface. Ensure the unit is mounted in a location that allows for proper cable management and access for maintenance.

3.3. Connecting AC Input Power

Connect the provided AC power cord to the AC input port on the side of the power supply box. Ensure the power cord is securely plugged into a grounded electrical outlet (100-240VAC). The unit features an external AC plug for convenience.





Figure 3.2: AC input port location.

3.4. Connecting DC Outputs to Devices

Open the metal box using the provided keys. Locate the DC output terminals inside the box. Each pair of terminals (positive and negative) corresponds to an independent channel. Connect the DC power cables from your security cameras, DVRs, or IP cameras to the respective terminals. Ensure correct polarity (positive to positive, negative to negative) to prevent damage to your devices.

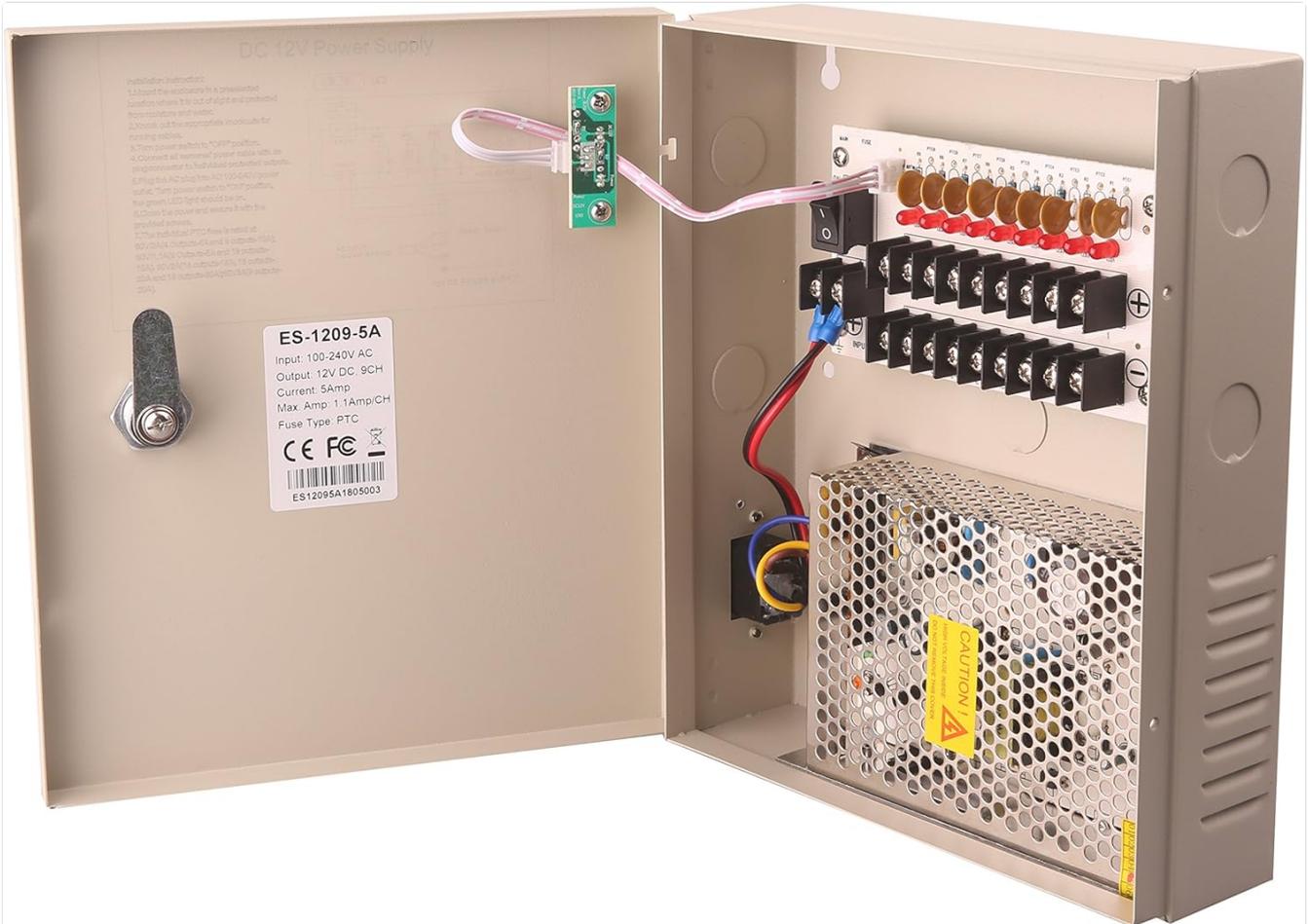


Figure 3.3: Internal layout with wiring terminals.

It is recommended to label each power supply output to correspond with the connected camera or device for easier identification and troubleshooting.



Figure 3.4: Close-up of PTC fuses and terminals.

3.5. Voltage Adjustment (if necessary)

The output voltage is adjustable within a range of DC11.78V-DC15V to compensate for voltage drop over longer cable runs. Use a small screwdriver to carefully adjust the voltage potentiometer located on the main board if your devices require a slightly higher voltage due to cable length.

4. OPERATING INSTRUCTIONS

4.1. Powering On

Once all connections are secure, plug the AC power cord into the wall outlet. The power supply unit will automatically power on. The LED indicators for each channel will illuminate, indicating that power is being supplied to the connected devices.



Figure 4.1: LED indicators.

4.2. Understanding LED Indicators and PTC Fuses

Each output channel has a dedicated LED indicator. A lit LED signifies that the channel is receiving power and functioning correctly. If an LED is off, it indicates a potential issue with that specific channel, such as a short circuit or overcurrent, which has caused the PTC fuse to trip.

The PTC (Positive Temperature Coefficient) fuses are self-resetting. If a short circuit or overcurrent occurs on a channel, the corresponding PTC fuse will heat up and increase its resistance, effectively cutting off power to that channel. Once the fault is removed and the fuse cools down, it will automatically reset and restore power to the channel.

5. MAINTENANCE

- **Regular Cleaning:** Keep the power supply unit clean and free from dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- **Ventilation:** Ensure the ventilation openings on the unit are not obstructed to allow for proper airflow and heat dissipation.
- **Connection Checks:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Environmental Conditions:** Operate the unit within its specified temperature and humidity ranges to ensure

optimal performance and longevity.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|--|--|
| No power to any device / All LEDs off | No AC input power; Main fuse tripped. | Check AC power cord connection and wall outlet. Ensure the main power switch inside the box is ON. If applicable, check the main fuse (consult a qualified technician if unsure). |
| One or more channels have no power / Corresponding LED is off | Short circuit or overcurrent on that channel; Faulty device connected. | Disconnect the device from the affected channel. Wait a few minutes for the PTC fuse to cool down and reset. Reconnect the device. If the problem persists, the device may be faulty or drawing too much current. Test with a known good device. |
| Intermittent power to devices | Loose wiring connections; Unstable AC input. | Check all DC output wiring connections for tightness. Ensure the AC input power is stable. |
| Devices not functioning correctly (e.g., image quality issues) | Insufficient voltage due to long cable runs. | Adjust the output voltage potentiometer slightly higher (refer to Section 3.5). Ensure total current draw does not exceed 1.1A per channel or 5A total. |

7. SPECIFICATIONS

9CH DC12V 5AMP CCTV Power Supply Box



Specification:

※ Input Voltage: AC90V-264V
 ※ Input Frequency: 50Hz-60Hz
 ※ Output Voltage: DC12V +/-5%

※ Output Current: 5A
 ※ Channels: 9
 ※ Fuse Type: PTC resettable

Figure 7.1: Product Specifications Overview.

| Specification | Value |
|----------------------|--------------------------|
| Input Voltage | 100-240VAC |
| Output Voltage | 12VDC (+/-5% adjustable) |
| Supply Current | 5 Amp (Total) |
| Max. Amp per Channel | 1.1 Amp |
| Number of Channels | 9 |
| Fuse Type | PTC Resettable Fuse |
| Compatible Devices | Camera (CCTV, IP, DVRs) |
| Item Model Number | 4348293478 |
| Item Weight | 3.5 pounds |
| Package Dimensions | 9.8 x 8.46 x 2.76 inches |
| Manufacturer | EVERSECU |

8. WARRANTY AND SUPPORT

EVERSECU products are manufactured to high-quality standards and are backed by the manufacturer's warranty. For specific warranty details, technical support, or service inquiries, please refer to the official EVERSECU brand

store or contact their customer service directly.

You can visit the EVERSECU Store for more information and support:[EVERSECU Brand Store](#)