

Circuit Specialists, Inc.

**DC Switching Power Supply
0-30V 0-10A**

CSI 3010SW

Circuit Specialists, Inc
220 S Country Club Dr, Bldg 2
Mesa, AZ 85210
www.CircuitSpecialists.com

tel: 800-528-1417/480-464-2485
fax: 480-464-5824

Thank you for purchasing the CSI 3010SW DC switch mode power supply.
Please read this manual before use, and keep it in a safe place for future
reference.

■ General

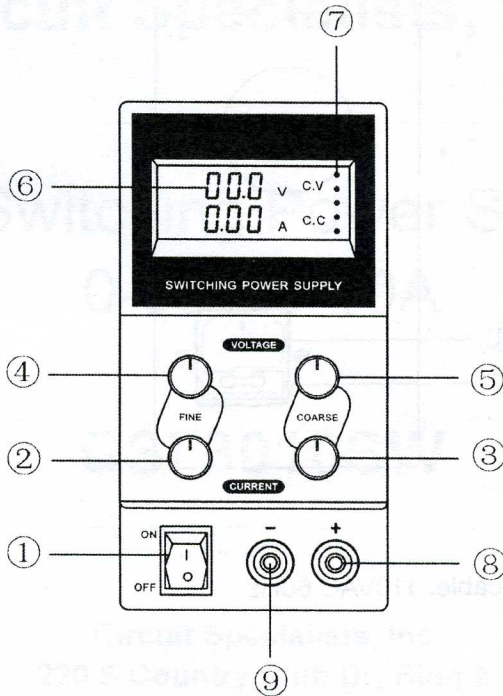
The CSI 3010SW is a DC Switch Mode Power Supply with highly accurate LCD displays. The output voltage can be adjusted from 0 to 30V and the output current from 0 to 10A.

■ Specifications

- 1) Input Voltage: AC110VAC, 60Hz
- 2) Output Voltage: 0~30V (cont. adj.)
- 3) Output current: 0~10A (cont. adj.)
- 4) Supply Regulation: CV $\leq 0.2\% + 10\text{mV}$
- 5) Load Regulation: CV $\leq 0.2\% + 5\text{mV}$
- 6) Ripple: $\leq 100\text{mVp-p}$
- 7) Protection: Current Limiting
- 8) Meter Display Accuracy:
Accurate to 3 digits:
Voltmeter: LCD $\pm 1\% + 2\text{Digits}$
Ammeter: LCD $\pm 1\% + 2\text{Digits}$
- 9) Ambient Operation
Temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
Humidity: $< \text{RH}80\%$
Atmospheric Pressure: $86\text{kPa} \sim 104\text{kPa}$
- 10) Operating Time: 8hrs.continuous.
- 11) Size: $85 \times 160 \times 230\text{mm}$

■ PART NAMES AND FUNCTIONS

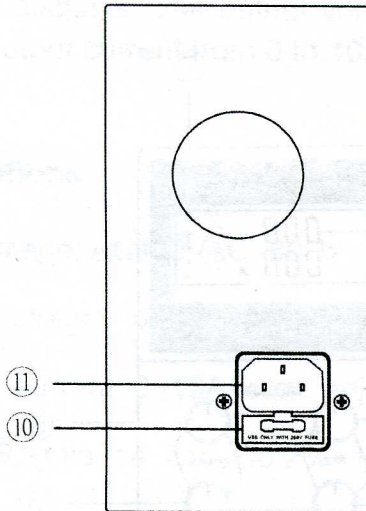
Front View



- 1) Power switch. Turns the unit on and off
- 2) CC fine tuning knob: To set fine tuning and current-limiting.
- 3) CC coarse adjustment dial: For coarse current adjustment.
- 4) CV fine adjustment dial: For fine voltage adjustment.
- 5) CV coarse adjustment dial: For coarse voltage adjustment.
- 6) Digital Display: Displays the voltage and current
- 7) Current indication
- 8) Positive Output Terminal
- 9) Negative Output Terminal

■ PART NAMES AND FUNCTIONS

Rear View



10) Fuse: 8A

11) Input power cable: 110VAC 60Hz

■ Notes

- 1) Store this unit in a clean, dry and well-ventilated place.
- 2) Disconnect from the mains during any maintenance procedure.
- 3) Take care when the power supply is set to a high current output.

Ensure that the unit is well ventilated.

Caution: In the unlikely event of malfunction, the output may rise above the maximum rated voltage! In order to prevent damage, connect appropriate loads only.

- 4) For safety, please ensure proper grounding of the power lead.