

**CDP**  
CHICAGO DIGITAL POWER  
**R-AVR Advanced  
Power Protection**



# CDP R-AVR Advanced Power Protection User Manual

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**CDP R-AVR Advanced Power Protection**



## Introduction

Thank you for purchasing the R-AVR2408/3008/5008 series voltage regulator. To enjoy the benefits offered by this unit, please read this user manual and follow the instructions below. We recommend that you keep this manual for future reference.

## Feature

1. Main power button.
  - Turn the equipment on and off.
2. High voltage LED indicator [Buck) illuminates when the equipment corrects a high voltage condition.
3. Power LED indicator. The LED illuminates when the AVR supplies power to the connections.
4. LED indicator under voltage. [Boost]
  - Illuminates when the equipment corrects a low voltage condition.



5. Low voltage LED indicator [Super Boost]
6. Coaxial protection.
  - Protect your equipment against dangerous voltage spikes.
7. Breaker overload.
  - It allows the easy recovery from an overload.



8. AVR plus surge protection outlets.
9. Delay device.
10. **30 seconds:** Recommended for normal AC power.
  - **[recommended for microwave)**
  - **1 minute:** Allows longer time for normalization and stabilization of electrical fluids. [recommended for electronic equipment]
  - **3 minutes:** Recommended for mechanical products, refrigerators, air conditioners, or for areas where energy quality is poor.



- Connect the equipment that protects from voltage variations to any of the sockets of your regulator. The 9 sockets offer regulation and protection against voltage spikes.
- Press the power switch, the regulator will click a few times. The center LED will light up. Remember that your regulator has a “PROTECTION DELAY” system and it will take time to deliver power to the connected equipment.
- The above is manifested when the center LED (2) is lit intermittently.
- If the LED above lights [4]the regulator is reducing voltage, if the LED on the bottom of your regulator is lit, the voltage is increasing. [Read the full explanation in the table of technical specifications]
- **WARNING** This is not a toy. Not intended to be used by children. The danger of electrical shock.

## Specification

MODEL	R-AVR2408	R-AVR3008	R-AVR5008
Capacity	2400VA/1200W	3000VA/1500W	5000VA/2500W
Input			
Voltage	120VAC		
Frequency range	50/60 Automatic		
Voltage range	92Vac-144Vac		
Output			
Voltage	92Vac-144Vac 120Vac +/-10% >144Vac 120Vac +/- 15%		
Frequency range	50/60 Hz		
Type of output connector	9 outputs NEMA5-15R and NEMA 5-20R regulated and surge protection		
Delay device	30 seconds - 1 minute - 3 minutes		
Coaxial	Integrated coaxial		
Protections			
Overload / Overload Breaker	Thermomagnetic Breaker 15 Amp.	Thermomagnetic Breaker 20 Amp.	Thermomagnetic Breaker 20 Amp.
Surge Protection	525 joules		
Overcharge	Thermomagnetic breaker		
LEDS (4)			
LED 1 (Up)	Reducing		
LED 2 (Central)	Power ON		
LED 3 (Down)	Boost Increase		
LED 4 (Down)	Last/ Super Boost Increase		
Physical			
Dimensions	250x157x157 mm		
Environment			
Temperature range	0° - 40°C		
Humidity range	<95% non condensed		
Noise	< 40 dB		

- Specifications are subject to change without notice.
- Chicago Digital Power warranties this product against defective materials or workmanship for one year from the date of original purchase [With the possibility to be extended to 2 years). Proof of purchase is required.

## Warranty

- To make this warranty valid Proof of purchase is required. Bring the product to the original purchase place or the nearest CDP Service Center. Make sure to bring also this Warranty Policy.
- For information about Service Centers in your country please call the following numbers. [If your country is not here please send a mail to [servicio@cdpups.com](mailto:servicio@cdpups.com)]
- **Bolivia:** 800100156
- **Colombia:** 018005181617
- **Costa Rica:** 8004357237
- **Salvador:** 8006773
- **Honduras:** 80025616099
- **Mexico:** 0018005148611
- **Panama:** 011008002268611
- **Peru:** 080054674

- **Dominic Republic:** 18887514876
- **Venezuela:** 08001627485
- Chicago Digital Power will repair or replace the product at its criteria without a cost during the warranty period.
- Repair or replacement time should never exceed 30 days from the date that the unit is received at the CDP Service Center.
- In case this warranty policy is lost please have a copy at the original purchase place.

### Warranty Limitations

- **a)** This warranty does not include damages that arise from negligence, misuse or use not under the product instruction.
- **b)** When the product has been opened or serviced by a nonauthorized service facility, has been altered or changed.
- **c)** Warranty is voided if utility wiring is reversed or lacks ground.
- **d)** Warranty not valid for normal wear and tear.
- Please complete and submit this information, otherwise, you will not have access to the guarantee
- No guarantee will be offered if this format does not accompany the unit at the time of its return to the place of purchase.
- Enter this link to register your product.



### Documents / Resources



[CDP R-AVR Advanced Power Protection](#) [pdf] User Manual  
R-AVR Advanced Power Protection, R-AVR, Advanced Power Protection, Power Protection, Protection

### References

- [User Manual](#)

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