

“BULL POWER” Line Conditioner Regulating Power Bar

Auto Voltage Regulation

User’s Manual

TABLE OF CONTENTS

INTRODUCTION.....	1
1. IMPORTANT SAFETY INSTRUCTIONS.....	2
2. PRESENTATION.....	2
3. INSTALLATION.....	3
4. OPERATION.....	3
APPENDIX A TROUBLESHOOTING.....	4
APPENDIX B. SPECIFICATIONS.....	4

Please read and save this manual!

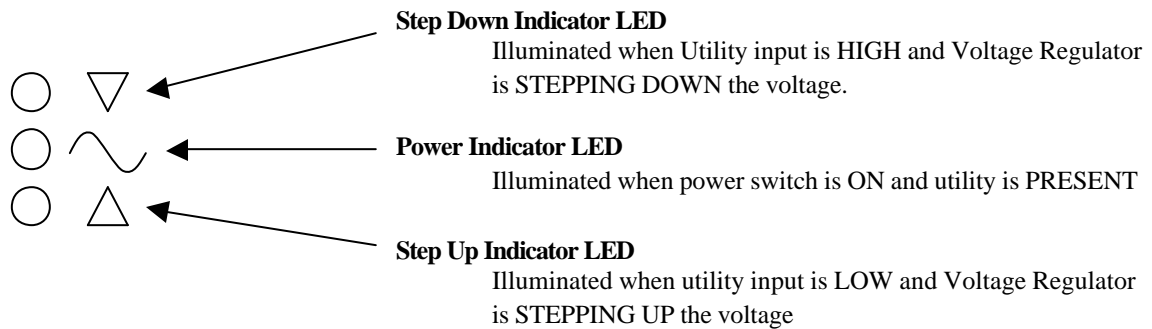
Thank you for selecting this Bull Power Line Conditioner. It provides you with a high degree of protection for your connected equipment. The manual is a guide to installing and using the Bull. It includes important safety instructions for operation and correct installation . If you should have any problem, please refer to this manual before calling customer service.

1. IMPORTANT SAFETY INSTRUCTIONS

- ? **WARNING (SAVE THESE INSTRUCTIONS):** This manual contains important instructions that should be followed during installation and maintenance .
- ? **WARNING (Controlled Environment):** Intended for installation in a controlled environment.
- ? **CAUTION:** Risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.
- ? **CAUTION:** Avoid exposure to direct sunlight, stoves or any other heat source.
- ? **CAUTION:** To prevent overheating, make sure that the ventilation openings of the unit are not covered.
- ? **CAUTION:** Keep moisture and dust away.

2. PRESENTATION

The Bull Power Line Conditioner can provide you with microprocessor controlled Automatic Voltage Regulation . It can supply you with pure, stable power and eliminate the damage caused by power problems.



No indicators will be illuminated if:

1. Power Switch is in OFF position.
2. Circuit Breaker has tripped due to an overload or short circuit.
3. No utility power is present.

3. INSTALLATION

3.1 Inspection: Inspect upon receipt. The packaging is recyclable.

3.2 Placement: Install in a controlled area with adequate air flow and free of excessive dust. Do not operate in an outdoor area.

3.3 Utility Power: Be sure the polarities and voltage match the rating of the unit.
In addition, check that the loads being protected are within the capacity of the unit. If the capacity is not sufficient, the input circuit breaker will trip.

4. OPERATION

4.1 Switch on:

When utility power is connected to the BULL, press the "ON" button to turn on the unit. After that, connect the electrical cords of the equipment that will be used (such as computer or monitor) to the rear panel of AVR unit.

4.2 Switch off:

Press the "OFF" button to turn off .

4.3 "Over load Protection"

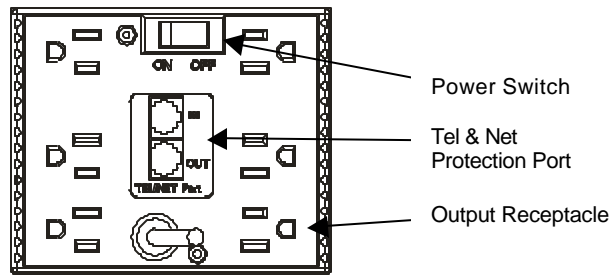
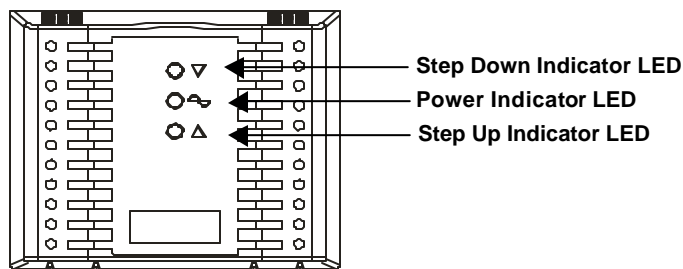
When the unit is overloaded , the input power breaker will trip to protect the unit .

Warning: Once the circuit breaker has tripped, please wait 60 sec before resetting.

4.4 "Output short Protection"

When there is a short in the output loads , the input power breaker will trip to protect the unit .

Warning: Once the circuit breaker has tripped, please wait 60 sec before resetting.



APPENDIX A. TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	ACTION TO TAKE
Cannot be turned on	ON/OFF SWITCH is in the off position	Press the ON/OFF SWITCH to the On position
	Circuit breaker has tripped	Reset the circuit breaker

APPENDIX B. SPECIFICATIONS

INPUT	Voltage Frequency	120Vac +/- 30% (80-150Vac) 50 or 60 Hz
OUTPUT	Voltage Capacity Frequency	120Vac +/- 10% (108-132Vac) 2000VA / 1000Watts 50 or 60 Hz
PROTECTION	Overload Short Circuit Transient Suppression Modem / Network	Breaker Breaker 150V Clamping Voltage 5700 Joules 20,000 Amps < 1 nano second response RJ11 / RJ45
PHYSICAL	Number of Outlets Net Weight Kg (lbs) Dimensions (mm) W x D x H	6 1.6 (3.52) 123 x 136 x 102

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