



FVR-1211B

Automatic Voltage Regulator

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Thank you for purchasing a Forza FVR-1211B Automatic Voltage Regulator. To enjoy all the features and benefits of this unit, please read and follow all installation and operation instructions thoroughly before unpacking, installing or operating this device.

Important safety instructions (Save these instructions)

This manual contains important instructions for the Forza FVR-1211B. Read the following information carefully and save this manual for future reference.

CAUTION!

- Failure to follow these safety instructions may cause fatal or serious injury, and also equipment damage.
- Risk of electric shock. Disconnection of AC sources is required to de-energize this unit before servicing.
- Risk of electric shock. Do not remove cover. The unit contains no user-serviceable parts; do not attempt to disassemble the unit. Only factory service technicians can perform maintenance on the unit.
- The sum of the leakage currents of the AVR and the connected equipment shall not exceed 3.5 mA.

System Description

Features

- Eight (8) AVR and surge-protected outlets to safely connect peripherals and devices
- Automatically compensates high and low voltages
- Tel/Fax Data line surge protection
- Resettable circuit breaker provides easy recovery from overloads or short circuits
- User-friendly visual indicator display
- Includes wall mount holes
- Selectable delay time setting (2/10/30sec)

System Description

1. Main ON/OFF Switch

AVR turn on & turn off.
Allows for easy recovery from an overload.

2. Power On/Overheat

Green LED lights up when supplying utility power to the loads.
Red LED lights up when the AVR temperature is too high.

3. Boost LED

LED lights when the AVR is correcting a low utility voltage condition.

4. Buck LED

LED lights when the AVR is correcting a high utility voltage condition.

5. AVR and surge protected outlets

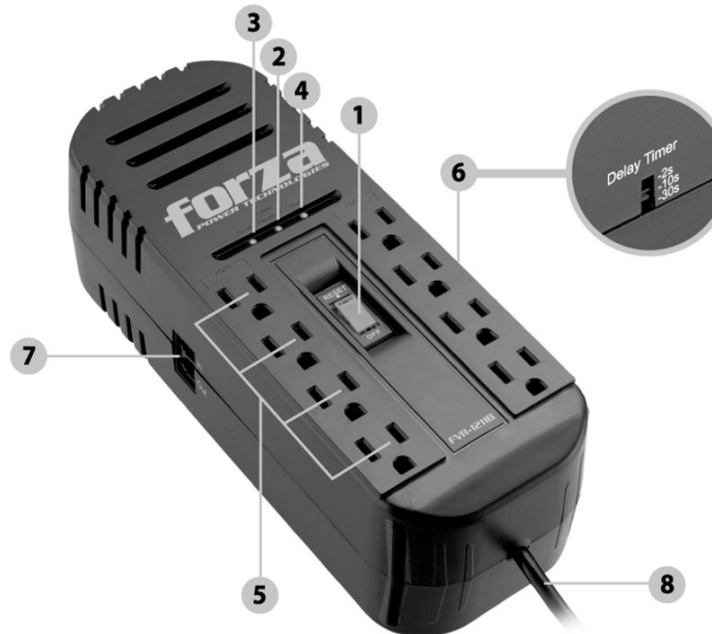
6. Soft start (delay time) setting switch

To set different delay times of 2, 10 or 30 seconds according to your needs.

7. Fax/ Phone and Modem protection

Protects phone and data line from dangerous surges.

8. Utility power input



Installation and Operation

The installation of the AVR is very simple. You just need to follow the steps included below. Avoid plugging in the AVR washers, hair dryers, heaters, multifunction printers or any other large electrical device with power consumption of 1200 VA or above. The power demands of these devices will overload and possibly damage the unit.

1. Inspection

Remove the AVR from its package and inspect it for damages that may have occurred during shipping. If any damage is discovered, re-pack the unit and return to the place of purchase.

2. Installation

Install the AVR in any protected environment that provides adequate airflow around the unit and is free from excessive dust, corrosive fumes and conductive contaminants. DO NOT operate your AVR in an environment where the ambient temperature or humidity is high.

3. Computer connection

Connect your computer, monitor and any externally powered data storage device (Zip drive, Jazz drive, Tape drive, etc...) into the output receptacles on the top of the AVR.

4. Phone line connection

To protect a fax, telephone, or modem line, connect a telephone cable from the wall jack outlet to the IN jack at the side panel of the AVR. Then connect a telephone cable from the OUT jack on the AVR to the modem, computer, telephone, fax machine, or network device.

5. Turn On/Off

Press power switch to turn on the AVR. To turn off the unit, press the button again.

Specifications

MODEL	FVR-1211B	
CAPACITY	VA/W	1200 VA / 600 W
INPUT	Voltage	115 VAC
	Frequency	50Hz or 60Hz
	Voltage range	86 ~ 138VAC
OUTPUT	Voltage range	104 ~ 126VAC
	Qty/outlet type	8 NEMA 15R
	Protection FAX/Modem	RJ-11 (input - output)
	Soft Start Transfer	Delay settings of - 2/10/30 sec
LED INDICATORS	Power ON/OFF	Green - LED
	Overheat/Cut-off	Red - LED
	Boost (low voltage)	Green - LED
	Buck (high voltage)	Green - LED
PROTECTION	Full Protection	Over voltage, over current, short circuit and surge suppression of Phone/Data line.
FEATURES	Dimensions (mm) WxHxD	250 x 95 x 80
	Net Weight	1.6 kg.
ENVIRONMENTAL	Operating Temperature	0 ~ 40°C
	Operating Humidity	0 ~ 90%
	Noise Level	Less than 40dB
WARRANTY	Standard	24 Months
SPECIAL FEATURES	Input Protection via thermal fuse	The unit is equipped with thermal fuse to protect against excessive temperature

Trouble Shooting

When the Forza AVR is not working normally, please refer to the following trouble shooting table for solving installation or operation problems.

Symptom	Possible Cause	Remedy
AVR shuts down after a few seconds and is circuit breaker protected	1. AVR output is short-circuited. 2. Overload.	Remove the least critical load and reset breaker
The AVR fails to turn on and red LED lights up	Utility power exceeds voltage rating	Verify that the voltage matches the AVR capability specified in the specs
Red LED is on but no output	The unit is overheated or overloaded	Verify that the load matches the AVR capability specified in the specs