FVR-1001M

Automatic Voltage Regulator

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Thank you for purchasing a Forza FVR-1001M 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-1001M. 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.
- To reduce the risk of fire, replace blown fuse only with another with the same rating.

Installation and operation

The installation of the AVR is very easy. Simply follow the steps included below.

Avoid plugging washers, hair dryers, heaters, multifunction printers or any other large electrical device with power consumption of 1000 VA or above in the AVR. The current drawn by these loads can cause the unit to overload.

Loads plugged in the 120 volt-outlets should not exceed 500 watts.

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

5. On/Off Switch

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

Introduction

Overview

Forza's Automatic Voltage Regulator --also known as line conditioner--is the reliable solution that provides the right protection for your equipment against overvoltages, undervoltages and severe brownouts. In addition to its excellent stabilization capability, the FVR automatically corrects transient voltage fluctuations and filters out electrical noise to provide "clean", regulated AC power. Forza's **1001M** is the perfect choice to enhance performance and safeguard your valuable components.

Features:

- Automatic Voltage Regulator (AVR)
- Instantaneously switches to correct output voltage by closely monitoring the input voltage
- Power protection for all your sensitive electronics and peripherals in a space saving design
- Internet, network, telephone, fax and modem protection
- Built-in advanced thermofuse protection -- it disconnects power when input voltage is dangerously high.
- Can be mounted on the wall

Specifications

MODEL		FVR-1001M
CAPACITY	VA/W	1000VA/500W
INPUT	Voltage	120V
	Voltage range	90-140VAC
	Frequency range	50/60Hz (autosensing)
	Joules	200J
	Max. spike current	6000A
	AC plug style	NEMA 5-15P
OUTPUT	Outlet type	4 (NEMA 5-15R)
	Voltage range	107-133VAC
	Frequency range	50/60Hz
	Delay timer	2sec
	Regulation steps (2)	1 boost/1 buck
	Protection overload	Thermofuse
DATA PROTECTION	Network protection	RJ-45
	Phone/modem/fax protection	RJ-11
VISUAL INDICATORS	LEDs	1
	Power on	Green
	Overheat/Cut-off	LED goes out
ENVIRONMENT	Operating temperature range	32-104º F
	Storage temperature	5-113º F
	Relative humidity	0-95%, non-condensing
	Audible noise	<40dB at 1m
PHYSICAL APPEARANCE	Switch	Lighted
	Housing	ABS plastic (Flame retardant)
	Color	Black
	Cord length	3.3ft
	Dimensions (LxWxH)	8.7x3.9x3in
	Net weight	2.2lb
WARRANTY	Warranty	5 years

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 no LED lights up	Utility power exceeds voltage rating	Verify that the voltage matches the AVR capability specified in the specifications
The red LED is on but there is no output	The unit is overheated or overloaded	Verify that the load matches the AVR capability specified in the specifications. If the unit is overheated, wait until the unit cools down before using it again within the rated load.

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