

Product Specification

VoltMiser Automatic Voltage Regulator



Features

- **Automatic Voltage Regulator**
- **Compatible with Compressors & HVAC**
- Phase Loss Protection
- Under Voltage Protection
- 99% Operating Efficiency
- Control From the Electrical Panel

THEORY AND APPLICATION

The **VoltMiser® Automatic Voltage Regulator** features a unique patented technology.

The **VoltMiser®** provides automatic voltage regulation by means of an auto-transformer. **VoltMiser®** is designed to regulate the unstable voltage by as much as $\pm 15\%$ to various electrical loads such as Compressors or HVAC. This type of equipment is found most commonly in grocery stores, warehouses, commercial and industrial spaces. **VoltMiser®** is applicable in retrofits as well as new installations. Since control is provided at the electrical panel, no extensive rewiring is required. The units are also very compact, requiring minimum space.

The **VoltMiser®** was developed under a leading manufacturer of energy devices with extensive experience in EMS, demand and power factor control. **VoltMiser®** technology was engineered in conjunction with major compressor manufacturers to ensure maximum protection from under or over voltage condition.

How Does VoltMiser Operate?

The **VoltMiser®** system provides $\pm 15\%$ voltage regulation. Since the system employs an autotransformer, it is considered to be the most efficient and safest method of step voltage control. It sustains a perfect sine-wave form and does not create any harmonics in the power system.

Why Use VoltMiser®?

Protect Expensive Equipment

Commercial HVAC and refrigeration systems are high-capacity and high-cost. Voltage fluctuations can cause:

- Burnout of motors and compressors
- Downtime can mean spoiled goods or products
- Premature aging of components
- An AVR ensures voltage stays within safe operating limits, protecting vital infrastructure.

Input Voltage

600/480/347/277/208/120 VAC

Power Ratings

25/50/75/100/150 KVA

Voltage Control

+/-15%

Miscellaneous Data

Working Temperature 7C-40C (45F-104F)
 Storage Temperature 0C-55C (32F-131F)

Enclosure

Steel Cabinet (NEMA 12)

VoltMiser Dimensions

D-8" x W-24" x H-24"

Transformer Dimension

D-20" x W-21" x H-27"

Safety Certification – UL / CSA or equivalent

EG Energy Controls – Own by
 Electron Test Equipment Ltd.

5a Whytecliffe Road South
 Purley, CR8 2AY, England
 Tel: + 44 1293 904 001

www.egenergy.com

Contact Information**Products**

VoltMiser Lighting Controller
 DemandMiser- Demand Controller
 ESS- Energy Surveillance System
 PowerMiser- Variable Speed Drive
 EG Brite- Fluorescent Fixtures

Not All Energy Management Systems Were Created Equal.