

GreenMAGIC

Increase profits with pride...



Lighting Energy Saver

- Reduce lighting energy up to 30%
- Flicker free operation
- Payback period < 18 months

www.greenmagic.co.in



User Benefits

- Reduction in energy consumption up to 15% to 30% (28% typical)
- Enhanced life of lamp
- 80% IT depreciation
- Electronic Protection against Over Voltage, Under Voltage & Over Current for load
- **Payback period : Approx. 18 months**

Unique Features

- Automated Switching of Lamps based on real time / Light Sensing / Astronomical Time (Optional)
- User programmable 8 time zones for voltage setting.
- Flicker Free Operation: Using unique fast and highly advanced high speed regulator logic called as **"Gapless Changeover"**
- Automatic Power factor Correction (Optional)
- Manual Operation: For "Out of Schedule" operation and testing.
- **Switch on support** : If a new load is switched on during Energy Saving Mode (ESM), the unit switches to bypass mode, to provide much needed normal voltage required to switch ON the lamp. A lamp switches on at full voltage and then the unit switches to ESM mode again after preset time.
- Displays percentage of saved energy
- Regulated Output Voltage, with a setting resolution of 1V and accuracy of +/- 2V.
- Display of Current, Voltage, KW, KWh.
- Complete unit bypass switch for operational redundancy.
- Internal transformer efficiency $\geq 96\%$

Models Available

Sr. No.	Current Rating	Single Phase System	Three Phase System
1.	20A	LESS 1020	LESS 3020
2.	40A	LESS 1040	LESS 3040
3.	60A	-	LESS 3060
4.	80A	-	LESS 3080
5.	100A	-	LESS 3100

* Higher ratings are available on request.

Optional Features

Sr. No.	Description	Benefits
1.	Inbuilt power factor correction	<ul style="list-style-type: none"> • No penalty of P. F. • Incentive is assured • Reduction in load current allows use of lower current rating energy saver/transformer.
2.	Switching of lighting based on astronomical time	Automatic switching of street lights based on Dawn Dusk time of any location. No need of manual time setting for switching, as per change in season.
3.	Alarm SMS for Lamp failure	Automated intimation to responsible officer about failure of even a single lamp in the circuit.
4.	RS- 485 Communication port	SCADA connectivity through wired or wireless network through centralized monitoring.
5.	IP55 protection	Outdoor Mounting
6.	Override switching on the basis of ambient light	Automatic switching of lamp in case of low ambient light.

Few of our satisfied customers :



TEKNOCRAT'S
An ISO 9001 - 2008 Company

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