

SPV DUSK-DAWN SYSTEM

INTRODUCTION

Solar Photo Voltaic (SPV) Dusk Dawn System is an energy saving device used for automatic switching of street lighting systems, making proper use of grid power and increasing the life of the lamps by switching the street lights for an optimum period. The system is highly reliable and efficient for years of continuous flaw-less operation.

The system's operation is based on sensing the ambient light level which actuates the electronic controller to switch ON the street lights in the evening and switch OFF in the morning. The sensor is totally maintenance free and encapsulated in an environment proof housing making it more reliable even in adverse atmospheric conditions.

The system has the advantage of automatic setting of switching timings irrespective of whether it is winter or summer, thus making it a totally unmanned operation. Once a setting for a particular darkness level is done, it remains unchanged throughout the year.



FEATURES

- Automatic switching and hence unmanned operation.
- Optimal use of grid power.
- Energy saving up to 30%.
- Enhancement of pole-lamp life.
- Highly efficient, reliable and economical.
- System design can take care of any grid load / safety precautions.
- No seasonal time setting required.
- Highly weather proof and totally maintenance free sensor.
- Protection against line to line, line to neutral & line to earth fault.
- Manual by-pass in case of system failure.
- On Line service facility.

SPECIFICATIONS

1. **Housing:** Kiosk type, weather proof pole mounting panel of required size.
2. **Sensor:** SPV Solar Photo Voltaic sensor of suitable capacity encapsulated in an environment-proof housing.
3. **Electronic Controller:** Electronic controller of rugged design for automatic switching of public street lights.
4. **Protection:** Against line to line, line to neutral and line to earth fault.
5. **Electrical switch gear unit of rated power capacity.**
6. **Special Features:**
 - i) Manual by-pass in case of exigency.
 - ii) Pole mounting facility
7. **RATED LOAD** MODEL 1 - 100 A / Ph.
MODEL 2 - 60 A / Ph.
MODEL 3 - 30A / Ph.

For further information contact:

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