

## Outdoor lighting automation by **NATURE SWITCH**

**Outdoor lighting for Compound Lighting, Yard Lighting, Street Lighting, Elevation Lighting, Landscape Lighting, Gardens, Parks, Resorts, Glow signboards, Hoardings & Aviation Lighting etc. can be handled efficiently with lot of energy saving.**

**Nature Switch offers a Versatile Solution with Intelligent Dusk to Dawn Lighting Control.**

Nature Switch is designed for automatic control of outdoor lighting, using Space Grade Sensors and a Digital Clock. It is useful for control of all varieties of outdoor lamps, which are switched ON either for total or partial duration of the night. Switch OFF provision at dawn is selectable for control of street lamps, security lamps etc.. Switch OFF after a particular duration is a selectable provision for control of glow sign, hoarding, name board lamps etc.. Override facility has been provided to bypass the auto mode. Nature Switch with attention free operation reduces manual costs, saves power bills and it pays for itself within a short period. We offer Nature Switch based on **INFRARED SENSING** which is tuned by nature itself offering complete and ultimate automation.

NATURESWITCH is specially designed for automatic control of a group of luminaries which are ON for the entire night or only for certain duration of night. **Any duration from 4 to 8 hours with ½ hour steps can be selected.** Over ride options are also available. It handles a lighting load of up to 3 kW in single phase.

### SALIENT FEATURES

- ⇒ Automatic Switching ON at dusk
- ⇒ Automatic Switching OFF at dawn
- ⇒ No need of seasonal resetting
- ⇒ Wide operating Voltage range
- ⇒ High Voltage Protection
- ⇒ Low Voltage Protection
- ⇒ Over Load Protection
- ⇒ Immunity to dust, bird sittings and cloud cover
- ⇒ Immunity to moon and other street light
- ⇒ Degree of protection conforms to **IP64**

ENERGY SAVED  
IS  
ENERGY GENERATED



**Winner of FAPCCI Award for “Best New Commercial Product”**

### GENERAL SPECIFICATIONS:

NATURE SWITCH is a light sensor based device for automatic control of outdoor lighting. It is an electronic device which can be mounted directly outdoors. Its enclosure conforms to IP64 and is made of special engineering plastics providing protection from rust, electric shock, termites, dust, rain, temperature and solar radiation. It provides options for selection of the switching OFF based on duration from DUSK. The selections for Continuous output ON and Continuous output OFF are also provided to facilitate verification and maintenance.

### ELECTRICAL and OPERATIONAL SPECIFICATIONS:

1. Operating Voltage Range : 150 to 300 VAC, 50-60 Hz
2. Operating Illuminance Levels
  - I. For Switching ON : < 60 lux for >30 sec
  - II. For Switching OFF : >10 lux for >30 sec
3. Post DUSK switching OFF option : 4 to 8 Hrs. with a resolution of ½ hour.
4. Max. Lighting Load : Upto 3kW
5. Switching Endurance : Minimum 5,000 cycles
6. Automatic Voltage trip/reset levels
  - I. High Voltage Trip/reset : > 285VAC /< 270 VAC
  - II. Low voltage Trip/reset : < 150 VAC/ > 165 VAC
7. Override options : Cont. ON and cont. OFF

Tested and certified by  
ETDC, Hyderabad

### BENEFITS TO THE USER:

Problem free operation of the lighting when needed.  
Elimination of all energy wastages leading to substantial savings.  
Provides definite and reliable switching in cold, rain or heat.  
No clock settings or corrections, hence hassle free.  
Operational settings valid for life, hence no attendance.

### BUILT IN SEASONAL ADJUSTMENT AND SETTINGS VALID FOR LIFE:

Nature Switch will automatically adjust the switch ON and switch OFF times according to the seasons without the need for any resetting.

### OUR REGULAR CUSTOMERS INCLUDE:

State Bank of India  
Indian Bank  
State Bank of Hyderabad  
NCR  
MES

ING Vysya Bank  
Bank of Baroda  
Bank of Maharashtra  
BSNL  
CPWD

Karnataka Bank  
Allahabad Bank  
Corporation Bank  
FCI  
SCR

Mfd. In India by:

### KAKATIYA ENERGY SYSTEMS PRIVATE LIMITED

3-6-272, 3rd Floor, N.V.K. Towers, Himayat Nagar,  
HYDERABAD - 500 029  
Ph: 040 - 2326 2540, Fax: 040 - 2326 2550  
E-mail: mail@nareswitch.com  
web site: www.natureswitch.com