

SIGN SWITCH FOR AUTOMATION OF GLOW SIGN CONTROL

SIGN SWITCH is a product of **KAKATIYA ENERGY SYSTEMS** of Hyderabad, who have pioneered advanced opto sensor products for road safety and energy conservation. The company has offered a range of innovative patented products to the market which were well received by varied customers like Railways, Telecom Companies, Ports, Factories etc.

Sign switch is based on intelligent sensors and digital clock. It automatically switches ON the signage once it becomes dark in the evening and switches OFF after expiry of the duration selected. Any duration from 2 to 6 hours with ½ hourly steps can be selected. The device also offers a selection to switch OFF the signage at DAWN based on SUNRISE. It comes with built in protective features like high voltage and low voltage sense, trip and auto reset offering protection to the signage lamps from high and low voltages.

It is not a timer. So:

1. No time setting for ON/OFF.
2. No clock setting.
3. No clock correcton.
4. No seasonal resetting.



SIGN SWITCH

SALIENT FEATURES:

Automatic switching ON at dusk based on sun light irrespective of time.
Automatic switching OFF on expiry of hours selected (2 to 6 hours)
Automatic switching OFF at DAWN irrespective of time, if selected.
No clock settings, No time settings. No clock corrections.
Immunity to dust, bird sittings, and cloud cover.
Immunity to moon light and other street lights.
Degree of protection conforms to IP65.
Memory back up from power interruptions well proved over years.
Very easy installation.

BENEFITS TO THE USER:

Problem free operation of the signage light when needed.
Elimination of all energy wastage 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.

GENERAL SPECIFICATIONS:

SIGN SWITCH is a light sensor based device for automatic control of glow sign. It is an electronic device which can be mounted as part of the glow sign itself. It's enclosure conforms to IP65 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 or at SUNRISE based on light. The selections for Continuous output ON and Continuous output OFF are also provided to facilitate verification and maintenance. The device also provides protection from over/low voltages.

ELECTRICAL and OPERATIONAL SPECIFICATIONS:

- 1. Operating Voltage Range : 110/ 230 V ac.
- 2. Operating Illuminance Levels
 - I. For Switching ON : < 60 lux.
 - II. For Switching OFF : >10 lux for >30 sec
- 3. Response time for Switching ON/OFF : 30 seconds.
- 4. Auto over voltage trip and reset levels
 - Auto over voltage trip : 280 VAC
 - Auto over voltage reset : 265 VAC
- 5. Auto low voltage trip and reset levels
 - Auto low voltage trip : 150 VAC
 - Auto low voltage reset : 165 VAC
- 6. Post DUSK switching OFF option : 2 to 6 hours with a resolution of ½ hour.
- 7. Max. Lighting Load : 16Amps.
- 8. Switching Endurance : Minimum 5,000 cycles
- 9. Override options : Cont. ON and cont. OFF



A few model installations



Mfd. In India by:

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