

# SAVE SWITCH

HELPS YOU SAVE ENERGY *WHILE THE WORLD SLEEPS*



**HID lamp dimming during non-peak hours to save precious energy**

## SALIENT FEATURES

- ⇒ Automatic Wattage reduction during late night.
- ⇒ Wide operating voltage range from 150 Vac to 290 Vac.
- ⇒ Selectable high watt duration from zero to 9 hours.
- ⇒ Immunity to power interruption of up to 4 hours continuous.
- ⇒ Built in pre warming duration of 5 minutes suitable to SV lamp.
- ⇒ Unlimited rechargeable memory back up for the duration count.
- ⇒ Easy fitment on top of the junction box itself.
- ⇒ Simple series switch for easy electrical integration.
- ⇒ Free from periodical maintenance and attendance.
- ⇒ Ambient temperature range of -10 deg.C to + 60 Deg. C
- ⇒ Available in standard models of 150W, 250W, 400W, 2x150W, 2x 250W, 2x400W.

## ART OF DIMMING PERFECTED



**ENERGY SAVED IS ENERGY GENERATED**

### The conceptual framework of **SAVE SWITCH**

High intensity lighting is normally provided using HID luminaries like HPSV lamps. They are often the preferred choice when large areas like road ways, parking lots, pathways, etc. are to be illuminated. The power rating of the luminaries is selected based on the illuminance requirements of the field during the early hours of the night. However the illumination level required will be less during the non-peak hours or during the late night. **SAVE SWITCH** is designed to meet this need automatically.

**Save Switch** uses the concept of Step-level dimming enabling wattage reduction to 60% of rated power. Step-level dimming is ideal for saving energy and providing lighting for safety and security during non-peak hours. **SAVE SWITCH** also allows individual fixture control and is suitable for retrofit. **Save Switch** works with HPSV type of HID lamp and is suitable for indoor as well outdoor usage.

**SAVE SWITCH** comes as a reliable, integrated, aesthetic and cost effective solution with a low pay back period. **SAVE SWITCH** ensures uniform illuminance level. **SAVE SWITCH** is installed on a junction box of a pole for outdoors. **SAVE SWITCH** comes in series to the input terminals of the control gear. The basic feature of **SAVE SWITCH** is to maintain the lamp in Higher Wattage (HW) for the selected duration from the time the lamp is switched ON in the evening and to shift the lamp to Lower Wattage (LW) till switched OFF in the morning. Any duration from 0 to 9 hours can be selected for the initial High Wattage operation.

### Energy Saving potential of **SAVE SWITCH**

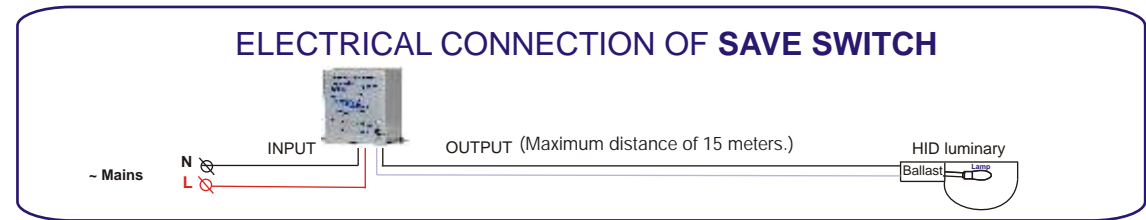
Models	Units	250W	400 W	2*150 W	2*250 W	2*400 W
A.High wattage level	Watt	250	400	300	500	800
B. Low wattage level	Watt	150	250	180	300	500
C. Wattage reduced	Watt	100	150	120	200	300
D. Non peak hours per night	Hours	7	7	7	7	7
E. Energy Saved per night per lamp	kWH	0.7	1.05	0.84	1.4	2.10
F. Energy saved per year per lamp	kWH	255	383	306	511	766
G. Annual savings @ Rs.4/kWH per lamp	Rs..	1,022	1,533	1,226	2,044	3,066
H. Annual savings @ Rs.8/kWH per lamp	Rs.	2,044	3,066	2,453	4,088	6,122

**Available for any wattage rating from 70 W to 1200 W as per customer requirement. Dimming % can also be chosen by the customer from 20% to 50%. Standard rate is 40%.**

**Mechanical dimensions of SAVE SWITCH in mm**  
**L =142 mm, B=88 mm , H = 120 mm.**

**Physical installation of SAVE SWITCH**

**Mounting of Save Switch on a Junction box**  
 The save switch comes with a bracket to facilitate fixing on top of a junction box. Drill two holes of 7 mm dia with a center distance of 127 mm for fixing bolts. Provide a hole of 10 mm dia at the center to allow the INPUT and OUTPUT cable pairs.



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