

## **SPECIFICATION OF SAVE SWITCH FOR HID LAMP DIMMING.**

### **APPLICATION; For automatic dimming of HPSV lamps or MH lamps.**

- 1) The Save switch must be suitable for direct installation in single-phase AC supply in series to an HID luminary.
- 2) The operation voltage range must be 180 to 290VAC. It should be able to withstand a fault voltage of upto 440 VAC.
- 3) **OPERATIONAL SPECIFICATIONS:**
  - Nominal Operating Voltage - 230VAC  $\pm$ 20% 50 Hz
  - Maximum wattage rating - 130% of the rated wattage.
  - Maximum Continuous Current - 6A
  - Selectable high watt duration - 0 to 9 hours with a resolution of 1 hour.
  - Immunity to mains power interruption - 4 hours continuous.
  - Built in pre-warming duration - 8 minutes
  - Memory back up for duration clock - 24 hour back up for every 10 minutes charge
  - No.of charge/discharge cycles of memory - minimum 10,000 cycles.
- 5) The terminals provided for LIVE IN, NEUTRAL and LIVE OUT should be properly marked.
- 6) The switch must have an endurance of atleast 5,000 cycles at full rated load
- 7) The switch must perform in an ambient temperature range of  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- 8) The switch must perform in open air with RH upto 95% at  $25^{\circ}\text{C}$
- 9) It must be suitable for fixing as a series switch with any existing HID luminary.
- 10) It must be suitable for fixing at any distance up to 15 meters from the luminary.
- 11) It must be suitable for fixing near or close to a junction box on a pole.
- 12) It must be contained in an enclosure rated for IP54.
- 13) It must be marked for the wattage and the model.
- 14) It must meet the drop and topple test from a height of 3 feet on any side atleast for 5 Drops.