

Programmable Street Light Control Switch :

- “SMARTHAWK” based on Astronomical timing”
- Independent control of all three phases & intermediate ON – OFF timing.

(Total Load 18kW or 30kW i.e. 6kW x 3Phase, or 10kWx3Phase)

Real Time Clock:

Programmable street light control switch has in built real time clock with backup sufficient for five years minimum. It displays the day and date with ON and OFF time, on LED display and maintain the timing accuracy (one) second over the entire range of environmental operating conditions.



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Programming Features:

1. Switch ON and OFF the streetlight loads, at rated power factor at pre-determined time.
2. Have facilities of default program (company installed) based on “Astronomical Timer” means daily change of program as per sun rise and sunset timing, as well as pre-defined (user programmable) to pre-program and switch the ON and OFF time for one year with minimum 12 programs, spread over a year.
3. Streetlight ON / OFF timing accuracy is maintained within 60 seconds from preset time under the entire range of environment conditions.
4. Facilities to switch ON/OFF the streetlight loads, **manually** by-passing the programmed circuit.
5. Independent control of all the phase is possible so that energy saving can be assured by making load ON & OFF in night.
6. Three Phase control: Each phase can be provided different time to control the load, independently.

Protection:

Over Voltage / Under Voltage:

1. Have protection from Over Voltage i.e. load switch OFF when voltage goes above 260±5V (adjustable at factory end) and auto restart when normal voltage is sensed i.e. 250±5V.
2. Have protection form Under Voltage i.e. load switch OFF when voltage goes below 160±5V (adjustable at factory end) and auto restart when normal voltage is sensed i.e. 180±5V.

Over Load Protection:

System switch off the load when the load increases more than specified load. The system remains off until over load / short circuit is removed and manually switches the button Auto / Manual. Tripping time is less than 1sec, hence attached load remains safe.

This Feature also protect from undue electrical energy theft.

No need of external contactor up to rated Load of unit.

Model No.: PSCS18k - 18kW (6kW x 3)
PSCS30k - 30kW (10kW x 3)

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