

Programmable Street Light Control Switch “STREETHAWK” based on “Astronomical timing” with intermediate ON-OFF (Load 6kW & 10kW)

Real Time Clock:

Programmable street light control switch has in built real time clock with battery backup sufficient for five years minimum. It displays the day and date along with ON and OFF time, on LED display and maintain the timing accuracy of ± 1 (one) second over the entire range of environmental operating conditions.



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.

Metering of Load:

Total load on the circuit is calculated with inbuilt energy meter with accuracy of 1%.

GPRS:

The information of system working and ON OFF time, energy consumed are displayed on server / mobile for continuous working and monitoring. System can be reconfigured and time synchronized from the server. Lights can be controlled or shutdown in clusters or entirely from server end.

Protection:

Over Voltage / Under Voltage:

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

Over Load and Short Circuit Protection:

System switch off the load when the load increases more than specified or short circuit. 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.

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