

SYNER INTELLIGENT STREETLIGHT “IPSLD TECHNOLOGDE by EPARKIS”

Modernized way to control the operation of LED Street Lights, “Independently”

We are living in the world with constantly increasing energy prices and the society becoming more environmentally conscious – both of these reasons motivate us to save energy.

Cost of street light and its maintenance as well as reduction of carbon footprint lighting often exceeds 40% of municipality budget and the consumed electricity creates significant CO2 emissions.



With new state of the art technology, Intelligent Streetlight control developed by SYNER it is possible to:

- Save energy up to 65%
- Reduce maintenance costs up to 50%.
- Reduce significantly CO2 emissions.

SYNER Intelligent Streetlight is a new highly capable way to control the operation of streetlights and therefore achieve significant saving from electricity.

SYNER Intelligent Streetlight

- Creates better living environment and higher satisfaction for residents.
- Increase security on public areas.
- Gives you real time over view of street light operation and maintenance need.
- Reduce light pollution.
- The system is based on self-astronomical time calculation and it is most convenient stand-alone system. All the streetlights can be configured with different timing options.
- Easy to install and configure.
- Scalable on one light to entire city light.
- Optional hand held device for easy programming.

FEATURES:

- With SYNER Intelligent Streetlight, operation and dimming of streetlights can be configured by simple time bases rule. Dimming combined with motion detectors gives an option to lighting the area at full power only when movement in the area is detected. All LED Light Fixtures can be controlled individually.

BENEFITS:

- Very cost effective.
- Easy to install.
- Instantly up and running.
- Possibility to connect different sensor and input sources.

IPSLD Concept:

- IPSLD is a part of SYNER by Eparkis which enables deployment of new applications to the existing system to increase efficiency in the modern world in all areas of life.

IPSLD Streetlight Wattages: Eparkis ILSL 48W, Eparkis ILSL 72W, Eparkis ILSL 96W & Eparkis ILSL 144W

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Sequence of Control for SYNER Intelligent Streetlight LED “IPSLD”:



SYNER Intelligent Streetlight LED “IPSLD”:

- Automatically ON – OFF, taking parameters from Astronomical timer, ON at Dusk and OFF at Dawn.
- All the parameters of Peak hours, midnight dimming or OFF are adjustable. One can increase or decrease these parameters as per requirement.

Programming Mode:

- Dip Switch. Select the program by UP-DN the keys.
- Dedicated Gadget for Define Programming. (Optional)

Dip Switch Programming:

Dimming option:

1. 1U-2U	80% dimming, reduce light by 20%	i.e. light will glow at 80%.		2. 1U-
2D	60% dimming, reduce light by 40%	i.e. light will glow at 60%.		
3. 1D-2U	40% dimming, reduce light by 60%	i.e. light will glow at 40%.		
4. 1D-2D	20% dimming, reduce light by 80%	i.e. light will glow at 20%.		
5. 3U-4U	Intermediate dimming start at	22:30 PM		
6. 3U-4D	Intermediate dimming start at	23:30 PM		
7. 3U-4D	Intermediate dimming start at	00:30 AM		
8. 3D-4U	Intermediate dimming start at	01:30 AM		
9. 5U-6U	Intermediate dimming end at	03:00 AM		
10. 5D-6U	Intermediate dimming end at	03:30 AM		
11. 5U-6D	Intermediate dimming end at	04:00 AM		
12. 5D-6D	Intermediate dimming end at	04:30 AM		
13. 7U	Peak Load time switching opted	19:45 – 21:30 (Peak time duration)		
14. 7D	Peak Load time switching not opted			
15. 8U	Intermediate dimming opted	(Dimming of Street-Lights).		
16. 8D	Intermediate dimming not opted			
17. 9U	Twilight +	(Sunset+Twilight delay & Sunrise-Twilight delay)		
18. 9D	Twilight –	(Sunset-Twilight delay & Sunrise+Twilight delay)		
19. 10U	Twilight delay	5 Minutes.		
20. 10D	Twilight delay	10 Minutes		
21. 11U	Running Streetlight on	“Default Program i.e. Astronomical”		
22. 11D	Running Streetlight on	“Define Program i.e. user define”		
23. 12U	Gadget / PC Programming Mode.			
24. 12D	Running on Define / Default.			