



Public Lighting & Signage Control

Remote control of public lighting is a commonly used application of CycloControl technology used in Z-LYNK systems. Street lighting, public building illumination, road signage, dockside floodlighting, even public festivity lighting are all examples currently in use. In addition to discrete receiver units receivers which are designed to be direct replacements for existing photocells are possible providing higher reliability and overall cost benefits. Features like lamp dimming and limited status reporting are possible. Z-LYNK systems can be connected at either Medium Voltage (11kV) or Low Voltage (415V) or both.

Why use Z-LYNK for street lighting management?

1. Centralised control using the existing power network
2. Environmentally friendly, reducing wastage and improving efficiency and safety
3. Simple installation and operation
4. Easily configurable for precise switch on or switch off times. All conditions and seasons accommodated. External input command possible e.g. light or weather sensor.
5. High reliability, overcomes problems with photocells and clocks. Very low cost of ownership and ongoing costs
6. All lights instantly switched on or off with single command.
7. Easily applied to any lighting control required e.g. public celebration lighting.
8. Control signals do not interfere with any other equipment on the network.
9. Provides reliable continuous lighting



Improvements offered by centralised control of public lighting include:

- 1.** A simultaneous and more even distribution of light around switching times
- 2.** An override switch-on facility at times of low ambient light levels
- 3.** Selective switching at important road intersections
- 4.** Selective lamp switch off to reduce energy costs
- 5.** Incremental switching / dimming of multiple lamps saving costs and reducing light pollution.
- 6.** Lamp failure checks during daylight hours, reducing night time labour costs.
- 7.** Overcomes problems with false triggering of photocells from ambient or reflected light, and harsh environmental conditions.
- 8.** Security, one command will switch all or selected groups of lamps off or all on at once.
- 9.** Flexible grouping of lamps into switch groups
- 10.** Suitable for harsh environmental conditions



Customers using Public Lighting Control

London Electricity / Corporation of London Street lighting, road signage & public building illumination, in central London

Jersey Electricity Company Limited Street lighting, festivity lighting.

Guernsey Electricity Limited Street lighting, festivity lighting, Sign Illumination.

Portsmouth Harbour Authority Dockside flood lighting

Haven Van Vlissingen, Holland Port Authority Dockside flood lighting

Feedback Status reporting.

The essence of successful lamp status reporting is to balance cost of implementation with data usefulness. Large amounts of reporting data invariably adds to bandwidth requirements, cost and complexity. A simpler system, combining outbound CycloControl and fault alert using low power radio can justify such a system

