

K90 Streetlight Energy Saving Switch

FEATURES

- Timer starts counting from when the power is supplied, each streetlight can be adjusted to have its own delay off time
- Hermetically sealed, may be mounted directly under the base of the streetlight
- Specially designed to for the momentary current surge of gas discharge lights or tungsten lights
- Delay off time can be easily adjusted through the DIP switches
- Maintenance is easy, no need for batteries or other consumables

SPECIFICATIONS

- Model: K90
- Input Voltage: 220Vac
- Controller: 8 bit microcontroller
- Output: can be directly connected to gas discharge or tungsten lamps for up to 400W
- Delay off time: from 1 to 12 hours, 16 selections (1, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6, 7, 8, 9, 10, 11, 12)
- Seal: waterproof case Energy



ENERGY SAVING FOR STREETLIGHTS

With today's concern over energy conservation, public lighting is easily one area that is subject to public scrutiny and has become the primary focus of attention for many organization's decision makers.

Traditional Method

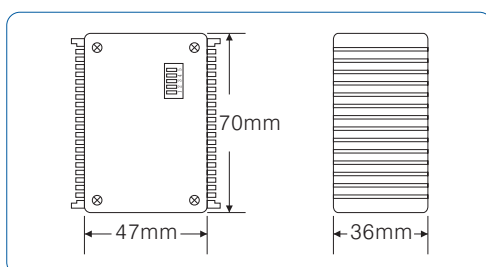
The K40 has been specially designed for the control of streetlights Traditionally, a group of streetlights are controlled using a combination of timer or daylight sensors and magnetic controllers, with this method the lights can only be turned on and off simultaneously. As a consequence it is not possible to control each street light individually if it is desired to have some lights on and some off for the purpose of energy conservation. With the K40 it is possible to control each streetlight at the individual level and set up any pattern desired.

New Way to Save Energy

The K90 was developed out of a real need to control each individual streetlights.

1. For wide boulevards; after 10:30 p.m., the streetlights can be lit alternately; after 2:00 a.m., even more streetlights can be turned off in order to save even more energy.
2. For non-critical places such as gardens or the exterior of buildings; after 10:30 p.m., most of the lights can be turned off, leaving only a handful of lights in the most important spots left on.
3. For stadiums or other such venues, all the lights can be turned off after 12:00 p.m.

DIMENSIONS



ENERGY SAVINGS CALCULATION

By using the K90, let us assume that we can save up to 5 hours worth of wasted energy, at 400W per light, that is 2 kWh worth of electricity per day or 700 kWh per year. At just 0.1 cents per kWh, we can save 70 dollars per year. As an additional benefit, by reducing the operating time of the lamps we also extend their useful life. At just 10 dollars per lamp, we can save as much as 80 dollars per year per streetlight. The capital expenditure for installing the K90 can be recouped in just a years time.



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