

K40 Monthly Adjustable Lighting Controller

FEATURES

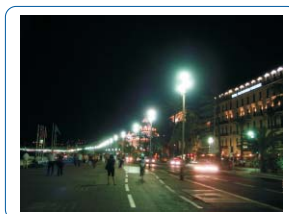
- Each month can be set to a different activation time.
- Avoids the problem of malfunctioning daylight sensors, when they no longer work to turn on the lights at night.
- By proper control of the time the lights turn on, the K40 saves energy and environmentally friendly.
- Easy and simple to install, can be interfaced directly to a magnetic controller.
- Keeps accurate time and does not lose its accuracy due to a power interruption.

APPLICATIONS

- Street lights for streets, communities and industrial parks
- Street lights for public parks, amusement parks, school campuses
- Open air arenas, billboards



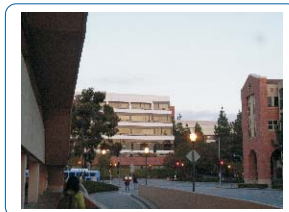
Outdoor Walkways



Streets and Roads



Sporting Arenas



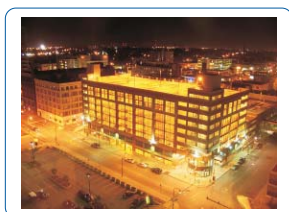
School Campus



Sbridges



Billboard Lights



Building Exteriors



Basketball Courts



OVERVIEW

The K40 is a specially designed lighting controller for use with streetlights or other outdoor lighting. With today's concern over energy conservation, public lighting is easily one area that is easily subject to public scrutiny. Typical controllers are based on one of two methods:

■ Outdoor Daylight Sensors

Easily affected and caused to malfunction by the weather or dust. Malfunctioning sensors often manifests itself as the lights turning on during daytime, or the lights remaining dark during nighttime.

■ Timers

Timers are fixed regardless of the day of the year, they are unable to make adjustments to the activation time based on the time the sun sets, which often results in the lights being turned on too early in the summer and too late in the winter.

■ K40 Monthly Adjustable

The K40 has microprocessor based control, and can be programmed to have a different activation and deactivation time depending on the month of the year, thus having a much greater effect on energy saving.

ENERGY SAVINGS CALCULATION

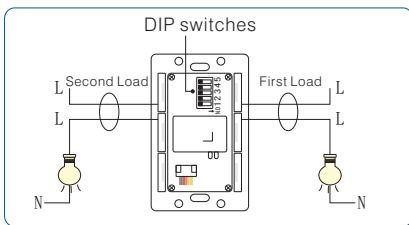
Assume that each streetlight uses 250 W, and we place 16 lights in one group, the total would be 4000 W. By using the K40 to control the streetlights, let us assume that they are used for 2 hours each day (equivalent to about 8 kWh). At just 10 cents per kwh, in 365 days the savings per year would be \$292, in 3 years it would be \$876. As an additional benefit, reducing the operating time of the lamps lengthens their useful life.

INSTALLATION

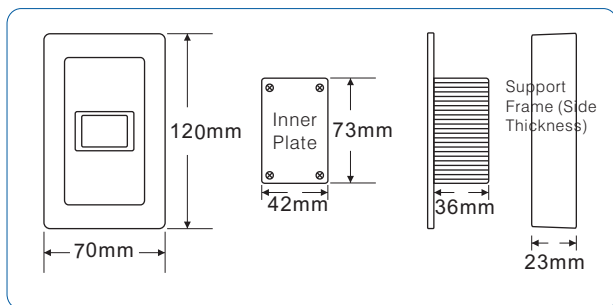
Installing the K40 is simple, there is no need for an auxiliary power supply, the K40 can be directly connected to the 110/220V mains power. Internally, the K40 has a highly reliable relay which can be directly connected to an external magnetic controller.

Setting Tool	Featured with time adjustment setting and display. Using the remote setting tool, the K40 can be programmed with each months light activation and deactivation times
Clock Accuracy	Gain or loss of less than 3 minutes per year, using the setting Tool, the time can be readjusted for accuracy
Control Relay	220VAC/2A
Power Supply	220VAC/0.1A
Environmental	Temperature: 70 °C, Humidity: 95% RH
Mounting	Buried

WIRING DIAGRAM



DIMENSIONS



SUPPORT FRAME

