

K4500 Series

Locking-Type Mounting, Thermal-Type

The K4500 Series Photo Controls feature locking-type mounting and thermal-type controls that are equipped with standard 3-prong locking-type plug connections. Thermal-type photo controls provide dusk-to-dawn lighting control and provide a delay action, which eliminates loads switching OFF due to car headlights, and lightning. The thermal-type controls feature a cadmium sulfide photocell and sonic welded polycarbonate case and lens to seal out moisture. The design utilizes a dual temperature compensating bimetal and composite resistor for reliable long life operation over ambient temperature extremes.

Features

- Cadmium sulfide photocell
- Sonic welded polycarbonate housing and lens to seal out moisture
- Delay action eliminates load switching OFF due to car headlights, and lightning.
- Easy to install – Just plug and twist

Ratings

Size:	3¼" (8.3 cm) High, 3" (7.6 cm) Diameter
Color:	Gray
Electrical Rating:	See table
Activation:	1-5 FC ON; 3-15 FC OFF
Power Consumption:	Averages under 2 Watts
Operating Temperature:	-40°F to 158°F (-40°C to 70°C)
Shipping Weight:	¾ lb. (0.34 kg)

Project: _____

Location: _____

Product Type: _____

Contact/Phone: _____

Model #: _____



Model Number	Tungsten (Watts)	Ballast (VA)	Tungsten (Amps)	Ballast (Amps)	VAC
K4521	1800	1000	15	8.3	120
K4524	3100	1700	15	8.3	208
K4522	3600	2000	15	8.3	240
K4533	4155	2300	15	8.3	277
K4535	7200	4000	15	8.3	480

Specification

The photo control shall provide automatic switching for outdoor lighting loads. The control shall be a thermal design with built-in delay to ensure that the controlled lighting does not switch off due to ambient light or lightning striking the photocell. The photo control shall have a rating of _____ Watts and _____ Amps tungsten and _____ Watts and _____ Amps ballast based on testing at 50% power factor for ballast loads. The photo control shall provide switching for nominal voltage $\pm 10\%$ to accommodate fluctuations in supply voltage. The photo control shall be equipped with standard 3-prong twist and lock type plug connection. The plug terminals shall be solid brass. The photo control housing shall be constructed of high-impact polymer. The photo control components shall consist of a metal film resistor, dual temperature compensating bi-metal blades, snap action contact blades, chemically treated/polymer encapsulated cadmium sulfide photocell, and silver alloy contacts to ensure reliable operation. The photo control shall be 100% factory tested for function within specified light levels. The photo control shall be agency certified and tested accordingly. The photo control shall comply with ANSI standard. The photo control shall meet agency standards for locking devices and ANSI-136.10-1988. The photo control shall function over temperature range of -40°F to 158°F (-40°C to 70°C). The photo control shall be Intermatic model _____ (See Model Numbers Listed).

Diagrams

