

## K4000 Series Fixed Position Mounting

The K4000 Series Fixed Position Mounting Photo Controls are thermal-type photo controls that fit into a standard outlet box, post lamp, or wall pack. The photo controls provide dusk-to-dawn lighting control along with a delay action, which eliminates loads switching OFF due to car headlights and lightning. The thermal-type controls feature a cadmium sulfide photocell and a 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 head lights and lightning
- 9" leads
- K4321 includes a weatherproof wall plate with a neoprene gasket
- Most models equipped with a 5/8" – 18" threaded side mounting, locking nut and washer gasket

### Ratings

|                        |   |
|------------------------|---|
| Size:                  | Plate (Model K4321C)<br>4 1/2" (11.4 cm) H x 2 3/4" (7.0 cm) W              |
|                        | Mechanism<br>1 5/16" (3.3 cm) W x 1 13/16" (4.6 cm) L x<br>1 9/16" (4 cm) D |
| Color:                 | Gray  |
| Electrical Rating:     | See table   |
| Activation:            | 1-5 FC ON; 3-15 FC OFF  |
| Fail Mode:             | ON  |
| Power Consumption:     | Averages under 1 Watt   |
| Operating Temperature: | -40°F to 158°F (-40°C to 70°C)  |
| Shipping Weight:       | 1/4 lb. (.11 kg); K4321C – 3/8 lb. (.17 kg)                                 |
| Agency Listing:        | See table   |



K4021C, K4023C, K4035



K4321C

| Model Number | Tungsten (Watts) | Ballast (VA) | Tungsten (Amps) | Ballast (Amps) | Volts   | Agency Listing |
|--------------|------------------|--------------|-----------------|----------------|---------|----------------|
| K4021C       | 1800             | 1000         | 15              | 8.3            | 120     | UL, CSA        |
| K4023C       | 3100-4150        | 1700-2300    | 15              | 8.3            | 208-277 | UL, CSA        |
| K4027        | 5205             | 2880         | 15              | 8.3            | 347     | CAS, C/US      |
| K4035        | 7200             | 4000         | 15              | 8.3            | 480     | None           |
| K4321C       | 1800             | 1000         | 15              | 8.3            | 120     | CSA, C/US      |

Project: \_\_\_\_\_

Location: \_\_\_\_\_

Product Type: \_\_\_\_\_

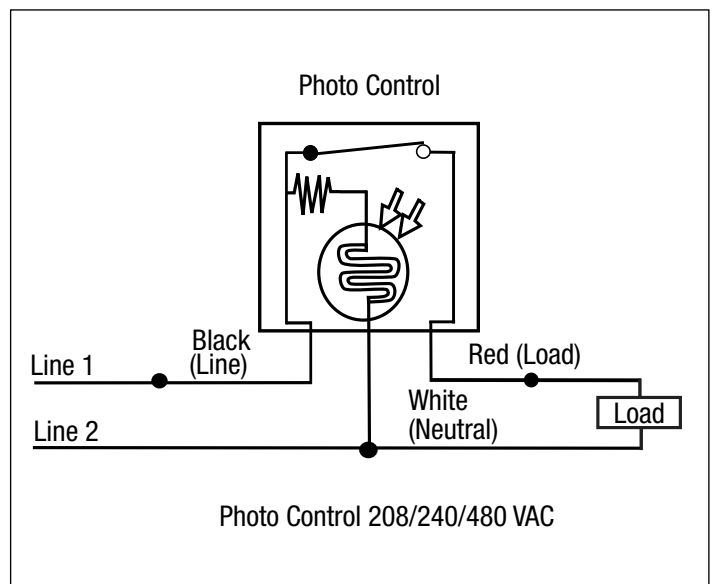
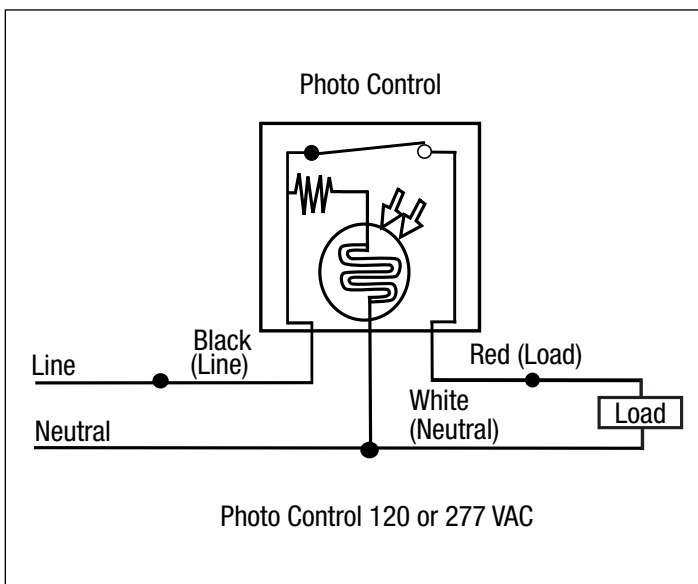
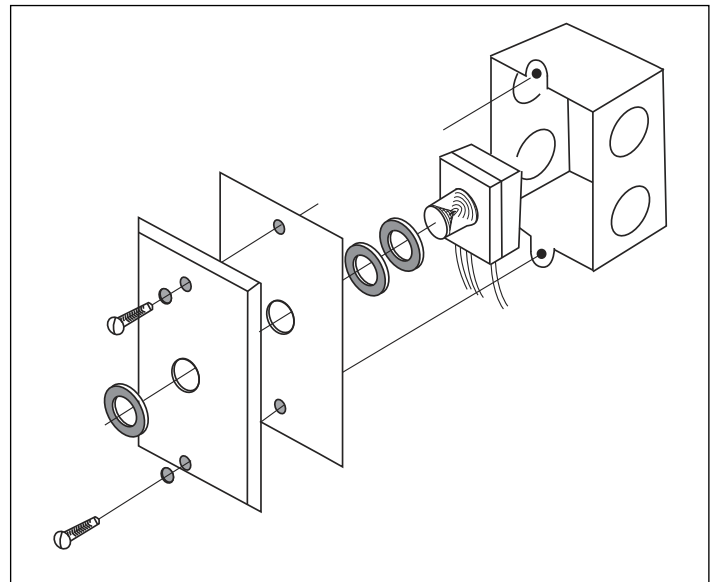
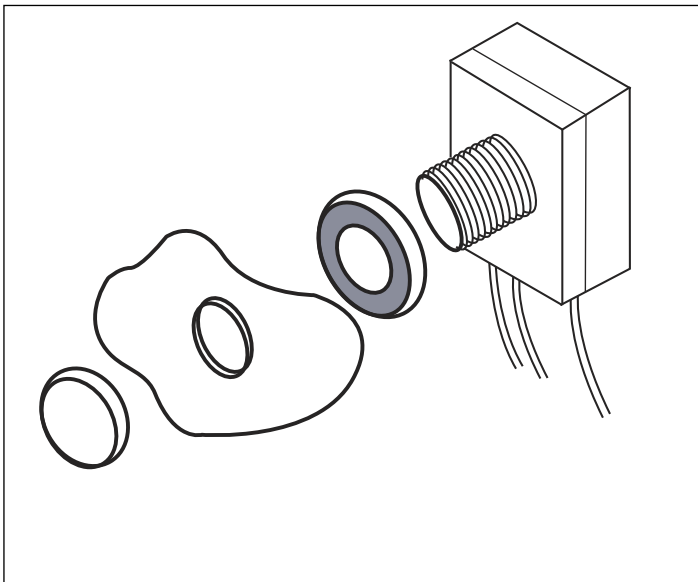
Contact/Phone: \_\_\_\_\_

Model #: \_\_\_\_\_

## 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 light striking the photocell. The photo control shall have a rating of \_\_\_\_\_ Watts and \_\_\_\_\_ Amps tungsten and \_\_\_\_\_ Watts and \_\_\_\_\_ Amps ballast based on agency testing at 50% power factor for ballast loads. The photo control shall provide switching for nominal voltage fixtures of \_\_\_\_\_ Volts  $\pm 10\%$  to accommodate fluctuations in supply voltage. The photo control shall include all necessary mounting hardware and instructions. The photo control housing shall be constructed of high impact polycarbonate. 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 (unless noted otherwise) and tested accordingly. The photo control shall function over temperature range of  $-40^{\circ}\text{F}$  to  $158^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $70^{\circ}\text{C}$ ). The photo control shall be Intermatic model \_\_\_\_\_ (See Model Numbers Listed).

## Diagrams



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