

Photocontrol - NIGHTFOX EK Series Premium Stem and Swivel Mount Electronic Photocontrol, 120-277 V

Item EK4236S



PRODUCT DESCRIPTION

NIGHTFOX EK Series Electronic Photocontrols are designed for permanent installation within outdoor-rated electrical enclosures, in-wall junction boxes, or lighting fixtures. This premium solution is suitable for use with high-efficiency, long-life LED luminaires. The unit mounts externally and requires a minimum enclosure aperture of 7/8" in diameter. Each control is equipped with 6" color-coded wire leads to ensure reliable and efficient installation.

FEATURES

- ▶ Non-drift silicon light sensor with IR filter
- ▶ DC relay with zero-crossing circuitry for extended life
- ▶ Conformal coated PCB
- ▶ 15-year design life
- ▶ Exceeds 10,000 ON/OFF switching cycles
- ▶ Fail ON mode
- ▶ Ideal for single or multifixture HID and LED installations (up to 1,650 W @ 277 VAC)
- ▶ 255 J MOV surge protection element
- ▶ 1/2"-14 NPSM threaded stem fits standard outlet boxes and wall packs for a minimum installation hole size of 7/8 inch diameter
- ▶ #18 AWG wire leads

APPLICATIONS

- ▶ Outdoor Lighting Control

TECHNICAL DATA

| General                        |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|
| Model Number                   | EK4236S                                                                             |
| Description                    | NIGHTFOX EK Series Premium Stem and Swivel Mount Electronic Photocontrol, 120-277 V |
| UPC Code                       | 078275146303                                                                        |
| Brand                          | Intermatic                                                                          |
| Country of Origin (Intermatic) | MEXICO                                                                              |
| Warranty Period                | 8-Year limited                                                                      |
| Control Specifications         |                                                                                     |
| Sensor Time Delay              | Instant ON; 2 sec to 5 sec OFF                                                      |
| Photocell Type                 | Silicon Diode                                                                       |
| Photo Control Switch Type      | Relay                                                                               |
| Fail Mode                      | ON                                                                                  |
| Activation On                  | 1.5 fc                                                                              |
| Activation Off                 | 4.5 fc                                                                              |
| Photocontrol Type              | Electronic                                                                          |
| Application Compatibilities    | LED; Incandescent; HID                                                              |
| Photocontrol Style             | Stem and Swivel Mount                                                               |
| Photocontrol Sensor Location   | Side                                                                                |
| Dimensions                     |                                                                                     |
| Product Height (in)            | 5.625                                                                               |

|                       |         |
|-----------------------|---------|
| Product Height (mm)   | 142.9   |
| Product Width (in)    | 1.313   |
| Product Width (mm)    | 33.3    |
| Product Depth (in)    | 1.25    |
| Product Depth (mm)    | 31.8    |
| Wire Lead Length (in) | 6       |
| Wire Lead Length (mm) | 152.4   |
| Wire Size Max         | #18 AWG |

| Material Specifications |               |
|-------------------------|---------------|
| Color                   | Gray          |
| Housing Material        | Polycarbonate |

| Load Ratings                              |                            |
|-------------------------------------------|----------------------------|
| Tungsten Range(s)                         | 1000 W                     |
| Magnetic Ballast (NO) Range(s)            | 1800 VA                    |
| Electronic Ballast Load Ratings NO Ranges | 6 A, 120-277 VAC, 50/60 Hz |

| Electrical Specifications   |                                         |
|-----------------------------|-----------------------------------------|
| Wiring Option               | Wire leads                              |
| Input Voltage Range(s)      | 120-277 VAC, 50/60 Hz (Nominal Voltage) |
| Operating Voltage Range(s)  | 102-305 VAC                             |
| Surge Protection Technology | 255 J MOV, 5,000 A Surge                |
| Hz                          | 50/60                                   |

| Packaging                             |                     |
|---------------------------------------|---------------------|
| Shipping Weight (lbs)                 | 0.28                |
| Unit Carton Dimensions (H x W x D) in | 4.875 x 3 x 1.75 in |

| Operating Specifications       |       |
|--------------------------------|-------|
| Expected Lifetime (Years)      | 15    |
| Expected Lifetime (Operations) | 10000 |

| Environmental Specifications |                                      |
|------------------------------|--------------------------------------|
| Temperature (operation)      | -40 °F to 158 °F / (-40 °C to 70 °C) |
| Usage Environments           | Outdoor                              |

| Standards and Certifications             |                                        |
|------------------------------------------|----------------------------------------|
| UL Certification                         | cULus                                  |
| Other Certifications and Compatibilities | Title 20; ANSI C136.24; Green Energy + |
| California Proposition 65                | DEHP                                   |
| RoHS Certification                       | Y                                      |

ACCESSORIES



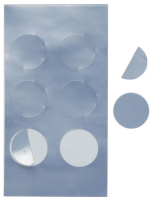
22LG0120  
Light Guard Accessory for EK4000 Series Electronic Fix Mount Photocontrols



6LV1352  
Light Shield Accessory for EK4036S, EK4436SM, K4000 Series Button Photocontrols



K43-WP-KIT  
Wall Plate Kit for EK4036S, K4000 Series Button Photocontrols



LGLBL  
Lens Sticker Accessory for EK4000 & K4000 Series Photocontrols