

Photocontrol - NIGHTFOX EK Series Premium Stem and Swivel Mount Electronic Photocontrol, 347 V

Item EK4227S



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
- ▶ 220 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                   | EK4227S                                                                         |
| Description                    | NIGHTFOX EK Series Premium Stem and Swivel Mount Electronic Photocontrol, 347 V |
| UPC Code                       | 078275152380                                                                    |
| 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  |
| Ballast Fluorescent Ranges                | 1800 VA |
| Electronic Ballast Load Ratings NO Ranges | 2 A     |

#### Electrical Specifications

|                             |                          |
|-----------------------------|--------------------------|
| Wiring Option               | Wire leads               |
| Input Voltage Range(s)      | 347 VAC, 50/60 Hz        |
| Surge Protection Technology | 220 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                              |

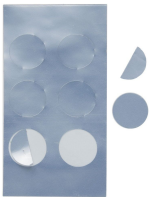
#### Standards and Certifications

|                                          |                              |
|------------------------------------------|------------------------------|
| UL Certification                         | cULus                        |
| Other Certifications and Compatibilities | ANSI C136.24; Green Energy + |
| California Proposition 65                | Nickel; DEHP                 |
| RoHS Certification                       | N                            |

**ACCESSORIES**



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



LGLBL  
Lens Sticker Accessory for EK4000 & K4000 Series  
Photocontrols