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

Item EK4436SM

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	EK4436SM
Description	NIGHTFOX EK Series Premium Metal Stem Mount Electronic Photocontrol, 120-277 V
UPC Code	078275148406
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 Mount
Photocontrol Sensor Location	Side

Dimensions	
Product Height (in)	2.688

Product Height (mm)	68.3
Product Width (in)	1.75
Product Width (mm)	44.5
Product Depth (in)	2.188
Product Depth (mm)	55.6
Wire Lead Length (in)	6
Wire Lead Length (mm)	152.4
Wire Size Max	#18 AWG

Material Specifications	
Color	Gray
Housing Material	Die-Cast Zinc

Load Ratings	
Magnetic Ballast (NO) Range(s)	1800 VA
Electronic Ballast (NO) Range(s)	6 A, 120-277 VAC
Tungsten Incandescent (NO) Range(s)	1000 W

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

Packaging	
Shipping Weight (lbs)	0.6
Unit Carton Dimensions (H x W x D) in	4.88 x 1.81 x 3.063 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 +; LED
California Proposition 65	DEHP
RoHS Certification	Y

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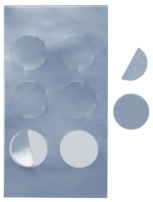
ACCESSORIES

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