INTERMATIC®

Photocontrol - NightFox™ Stem and Swivel Mount Electronic Photocontrol, 480 V

Item EK4235S

TITLE 24 LISTED

PRODUCT DESCRIPTION

NightFox™ electronic photocontrols permanently install on outdoor electrical boxes or outdoor lighting fixtures. Ideal for LED fixtures with long-life expectations. ½"-14 NPSM threaded stem fits standard outlet boxes and wall packs with 9" wire leads.

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 multi fixture HID and LED installations
► 220J MOV surge protection element
► 1/2"-14 NPSM threaded stem fits standard outlet boxes and wall packs
► #18 AWG wire leads

APPLICATIONS

► Outdoor Lighting Control

TECHNICAL DATA

General	
Model Number	EK4235S
Description	NightFox™ Stem and Swivel Mount Electronic Photocontrol, 480 V
UPC Code	078275152410
Brand	Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	8-Year limited
Usage Environments	Outdoor
Photocontrol Type	Electronic
Expected Lifetime (Years)	15
Expected Lifetime (Operations)	10000
Application Compatibilities	LED; Incandescent; HID
Photocontrol Style	Stem and Swivel Mount
Photocontrol Sensor Location	Side

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

Dimensions	
Product Height (in)	5 5/8

Product Height (mm)	142.9
Product Width (in)	1 5/16
Product Width (mm)	33.3
Product Depth (in)	1 1/4
Product Depth (mm)	31.8
Wire Lead Length (in)	6
Wire Lead Length (mm)	152
Wire Size Max	#18 AWG

Material Specifications

Cover Color	Gray
Housing Material	Polycarbonate

Load Ratings

Tungsten Range(s)	1000 W
Ballast Fluorescent Ranges	1800 VA
Electronic Ballast Load Ratings Ranges	0.35 A (Tested with 150 W 480 V LED driver with 120 Apk /100µs In-rush current)

Electrical Specifications

Wiring Option	Wire leads
Input Voltage Range(s)	480 VAC, 50/60 Hz
Surge Protection Technology	220 J MOV, 5,000 A Surge

Packaging

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

Environmental Specifications

Temperature (operation)	-40°C..70°C

Standards and Certifications

Other Certifications and Compatibilities	CA Title 20; Ansi C136.24
California Proposition 65	Nickel; DEHP
RoHS Certification	No
PDF Standards And Certifications	CA Title 20

Technical specifications and other information are subject to change without notice. Images can vary from original.

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DRAWINGS AND DIAGRAMS

PRODUCT DIAGRAM

DO NOT
MOUNT WITH
THE WIRES
FACING UP.

GASKET

NUT

2.25"

1.24"

1.3"

3.4"

Modified
1/2" - 14 NPSM

Photocontrol

Black

White

Red

Line 1

Load 1

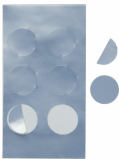Neutral or Line 2
(347 VAC)   (480 VAC)

Load 2 / Neutral
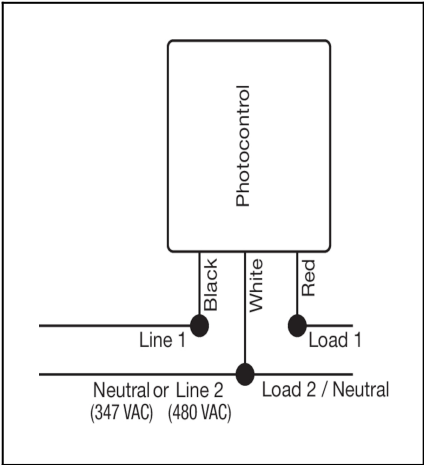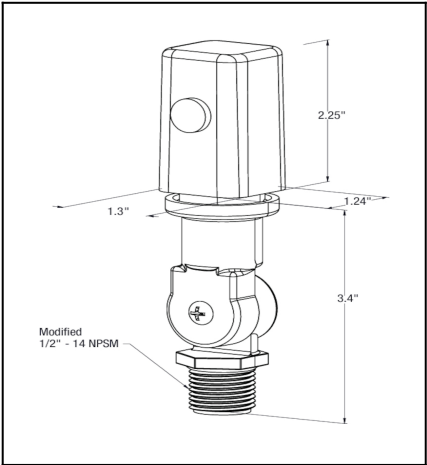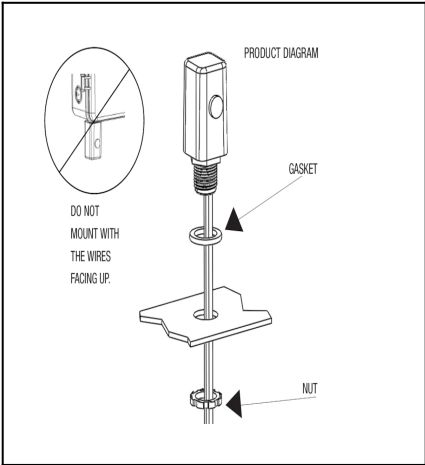
ACCESSORIES

22LG0120

Light Guard Accessory for EK4000 Series Electronic Fix Mount Photocontrols

LGLBL

Lens Sticker Accessory for EK4000 & K4000 Series Photocontrols