

Photocontrol - NIGHTFOX Select Grade Locking Type Electronic Photocontrol, 120-277 V

Item EK4536



PRODUCT DESCRIPTION

Designed to meet a 15-year service life, this photocontrol is LED-compatible and backed by an 8-year warranty.

FEATURES

- ▶ Non-drift silicon light sensor with IR filter
- ▶ DC relay with zero-crossing circuitry for extended life
- ▶ All components meet 15-year life expectancy
- ▶ Conformal coated PCB
- ▶ Exceeds 10,000 ON/OFF switching cycles
- ▶ Ideal for single or multifixture HID and LED installations (up to 1,650 W @ 277 VAC)
- ▶ 510 J MOV surge protection
- ▶ High precision, microprocessor-controlled zero-cross switching, individually calibrated to extend the life of 20 A relay independent of load being switched

APPLICATIONS

- ▶ Outdoor Lighting Control

TECHNICAL DATA

General

Model Number	EK4536
Description	NIGHTFOX Select Grade Locking Type Electronic Photocontrol, 120-277 V
UPC Code	078275130173
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	2.25 fc
Photocontrol Type	Electronic
Application Compatibilities	LED; Incandescent; HID
Photocontrol Style	Locking type
Photocontrol Sensor Location	Side

Dimensions

Product Height (in)	2.75
Product Height (mm)	69.9
Product Diameter (in)	3.375
Product Diameter (mm)	85.8

Material Specifications

Color	White with Blue Band
Housing Material	Polypropylene

Load Ratings

Incandescent Load Ratings Ranges	8.3 A @ 120 VAC; 3.6 A @ 277 VAC
Magnetic Ballast Range(s)	1800 VA
Tungsten Range(s)	1000 W
Electronic Ballast Load Ratings Ranges	6 A, 120-277 VAC, 50/60 Hz

Electrical Specifications

Input Voltage Range(s)	120-277 VAC, 50/60 Hz (Nominal Voltage)
Operating Voltage Range(s)	102-305 VAC
Surge Protection Technology	510 J MOV
Switch Type	SPST
Hz	50/60

Packaging

Shipping Weight (lbs)	0.25
Unit Carton Dimensions (H x W x D) in	3.375 x 3.375 x 3.062 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 C136.10; Green Energy +
California Proposition 65	None
RoHS Certification	Y

ACCESSORIES



K121
Locking Type Receptacle, 3-Pin,
C136.10 Compliant, 9" lead



K121-30
Locking Type Receptacle, 3-Pin,
C136.10 Compliant, 30" lead



K122
Locking Type Receptacle, 3-Pin,
C136.10 Compliant, with Pole
Mounting Bracket



K171H
Locking Type Receptacle, 7-Pin,
C136.41 Compliant, 12" lead



KPT0170-010
PowerTap Receptacle, 7-Pin, C136.41
Compliant, Always-On, 10' cable



KPT1170-010
PowerTap Receptacle, 7-Pin, C136.41
Compliant, Dusk-to-Dawn, 10' cable



SK4500K
Shorting Plug for Locking Type
Receptacles



KPT0170-015
PowerTap Receptacle, 7-Pin, C136.41
Compliant, Always-On, 15' cable



SK4500KMX
Shorting Plug for Locking Type
Receptacles