

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

Item LED4536SC



PRODUCT DESCRIPTION

Photocontrol specifically designed for 20-year service to match the life expectancy of long-life LED and new induction fixtures.

FEATURES

- ▶ Non-drift silicon light sensor with IR filter
- ▶ DC relay with zero-crossing circuitry for extended life
- ▶ All components meet 20-year life expectancy
- ▶ Conformal coated PCB
- ▶ Exceeds 15,000 ON/OFF switching cycles
- ▶ Ideal for single or multi-fixture HID and LED installations (up to 2,220 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	LED4536SC
Description	NIGHTFOX Specifier Grade Locking Type Electronic Photocontrol, 120-277 V
UPC Code	078275143647
Brand	Intermatic
Country of Origin (Intermatic)	MEXICO
Warranty Period	12-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
Cover 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	8 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
Equipment operating voltage	102 - 305 V

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)	20
Expected Lifetime (Operations)	15000

Environmental Specifications

Temperature (operation)	-40°C..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	X

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



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



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

Instructions for installing photocontrols

⚠ WARNING *Risk of Fire or Electric Shock*

- Disconnect power at the circuit breaker(s) or disconnect switch(es) before beginning installation or servicing.
- Do NOT use the OFF state of the photocontrol for equipment servicing.

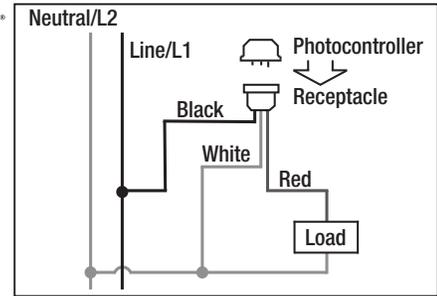
IMPORTANT OPERATING INSTRUCTIONS

1. Disconnect power.
2. Insert the photocontrol prongs into the female socket and twist in clock-wise direction until unit is secure.
3. If necessary, adjust the base so that the photocontrol eye is facing north away from the sun and any artificial light.
4. Reapply Power.

Federal Communications Commission (FCC) notice for EK, NF and LED models (ELC series does not require compliance with FCC regulations)

This Class A digital apparatus complies with ICES-005 of Canada.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.



Instructions d'installation des commandes photo-électroniques

⚠ AVERTISSEMENT *Risque d'incendie ou d'électrocution*

- Débrancher l'alimentation au niveau des disjoncteurs ou des sectionneurs avant de procéder à l'installation ou à l'entretien.
- Ne PAS utiliser l'état ARRÊT de la commande photo-électronique pour travailler sur le matériel.

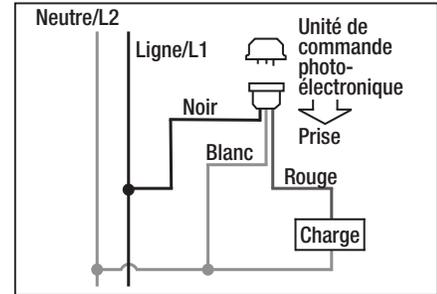
INSTRUCTIONS D'UTILISATION IMPORTANTES

1. Débrancher l'alimentation.
2. Insérer les broches de la commande photo-électronique dans la prise femelle et tourner dans le sens horaire jusqu'à ce que l'unité soit bien fixée.
3. Au besoin, ajuster la base de manière à orienter la commande photo-électronique face au nord, à l'écart du soleil et de toute lumière artificielle.
4. Rétablir l'alimentation.

Avis de la Commission fédérale des communications (FCC) pour les modèles EK, NF et DEL (la série ELC n'a pas besoin de suivre les normes FCC)

Cet appareil numérique de classe A est conforme à la norme ICES-005 du Canada.

Cet dispositif est conforme à la section 15 des réglementations de la FCC. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles, et (2) cet appareil doit accepter toute autre interférence reçue, y compris les interférences pouvant entraîner un fonctionnement non désiré.



Instrucciones para la instalación de controles fotoelectrónicos

⚠ ADVERTENCIA *Riesgo de incendio o descarga eléctrica*

- Desconecte la alimentación eléctrica de los disyuntores o desconecte los interruptores antes de comenzar la instalación o el mantenimiento.
- NO use el estado OFF (apagado) del control fotoelectrónico para realizar mantenimiento del equipo.

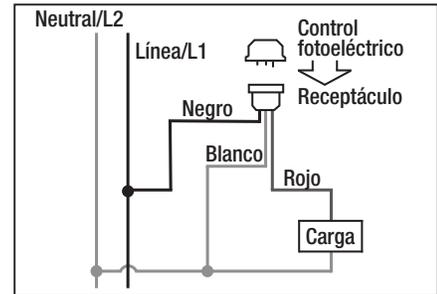
INSTRUCCIONES DE FUNCIONAMIENTO IMPORTANTES

1. Desconecte la alimentación eléctrica.
2. Inserte las clavijas del control fotoelectrónico en el tomacorriente y gírelo hacia la derecha hasta que la unidad quede firme.
3. En caso necesario, ajuste la base de modo que la mirilla del control fotoelectrónico apunte hacia el norte lejos del sol y de las luces artificiales.
4. Reanude la alimentación eléctrica.

Notificación de la Comisión Federal de Comunicaciones (FCC) para modelos EK, NF y LED (para la serie ELC, no se exige el cumplimiento de las normas de la FCC)

Este aparato digital de clase A cumple con la norma ICES-005 de Canadá.

Este dispositivo cumple con la Parte 15 de las normas de la FCC. El funcionamiento está sujeto a las dos condiciones siguientes: (1) este dispositivo no puede causar interferencia perjudicial y (2) este dispositivo debe aceptar cualquier interferencia recibida, incluida la interferencia que podría causar un funcionamiento no deseado.



LIMITED WARRANTY

If within the warranty period specified, this product fails due to a defect in material or workmanship, Intermatic Incorporated will repair or replace it, at its sole option, free of charge. This warranty is extended to the original household purchaser only and is not transferable. This warranty does not apply to: (a) damage to units caused by accident, dropping or abuse in handling, acts of God or any negligent use; (b) units which have been subject to unauthorized repair, opened, taken apart or otherwise modified; (c) units not used in accordance with instructions; (d) damages exceeding the cost of the product; (e) sealed lamps and/or lamp bulbs, LED's and batteries; (f) the finish on any portion of the product, such as surface and/or weathering, as this is considered normal wear and tear; (g) transit damage, initial installation costs, removal costs, or reinstallation costs.

INTERMATIC INCORPORATED WILL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES. ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY MODIFIED TO EXIST ONLY AS CONTAINED IN THIS LIMITED WARRANTY, AND SHALL BE OF THE SAME DURATION AS THE WARRANTY PERIOD STATED ABOVE. SOME STATES DO NOT ALLOW LIMITATIONS ON THE DURATION OF AN IMPLIED WARRANTY, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

This warranty service is available by either (a) returning the product to the dealer from whom the unit was purchased or (b) completing a warranty claim online at www.intermatic.com. This warranty is made by: Intermatic Incorporated, Customer Service Libertyville, Illinois 60048. For warranty service go to: <http://www.Intermatic.com> or call 815-675-7000.

GARANTIE LIMITÉE

Si pendant la période de garantie indiquée, le produit présente une défaillance en raison d'un défaut de matériau ou de fabrication, Intermatic Incorporated le réparera ou le remplacera, à sa seule discrétion, et gratuitement. Cette garantie couvre uniquement l'acheteur domestique initial et n'est pas transférable. Cette garantie ne s'applique pas : (a) aux dommages subis par les unités résultant d'un accident, d'une chute ou d'une mauvaise manipulation, de catastrophes naturelles ou d'une utilisation imprudente; (b) aux unités qui ont subi une réparation non autorisée, ont été ouvertes, démontées ou autrement modifiées; (c) aux unités non utilisées conformément aux instructions; (d) aux dommages dépassant le coût du produit; (e) aux lampes scellées ou aux ampoules de lampe, DEL et batteries; (f) à la finition de n'importe quelle partie du produit, comme la surface ou l'altération, car celles-ci sont considérées comme une usure normale; (g) aux dommages lors du transport, aux coûts d'installation initiale, aux coûts de retrait ou coûts de réinstallation.

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Ce service de garantie est disponible (a) en retournant le produit au vendeur auprès duquel l'unité a été achetée ou (b) en remplissant un formulaire en ligne de réclamation de garantie sur www.intermatic.com. La présente garantie est offerte par : Intermatic Incorporated, Customer Service Libertyville, Illinois 60048. Pour les services de garantie, accédez à la page suivante : <http://www.Intermatic.com> ou appelez au 815-675-7000.

GARANTÍA LIMITADA

Si dentro del período de garantía especificado, este producto presenta fallas a causa de defectos en los materiales o en la mano de obra, Intermatic Incorporated lo reparará o reemplazará sin cargo, a su exclusivo criterio. Esta garantía se extiende únicamente al comprador original y no es transferible. Esta garantía no se aplica a lo siguiente: (a) daño a las unidades causado por accidente, caída o uso indebido en su manipulación, casos fortuitos o cualquier uso negligente; (b) unidades que hayan sido reparadas, abiertas, desmontadas o modificadas de otra forma sin autorización; (c) unidades que no se hayan usado de acuerdo con las instrucciones; (d) daños que excedan el costo del producto; (e) focos o bombillas sellados, LED y baterías; (f) el acabado de cualquier parte del producto, como la superficie o la alteración por exposición a la intemperie, puesto que se considera como desgaste natural; (g) daño en el transporte, costos de instalación inicial, costos de retiro o costos de reinstalación.

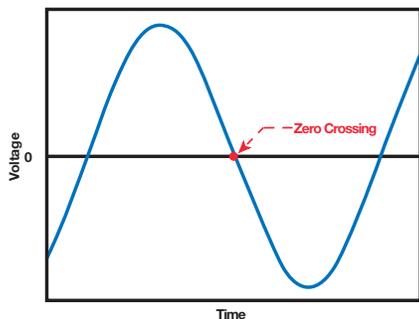
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Este servicio de garantía está disponible mediante (a) la devolución del producto al proveedor al que se le compró la unidad; o (b) el envío de una reclamación de garantía en línea en www.intermatic.com. Esta garantía la otorga: Intermatic Incorporated, Customer Service Libertyville, Illinois 60048. Para obtener servicios de garantía, ingrese en: <http://www.Intermatic.com> o llame al 815-675-7000.



Zero-Crossing Technology Drives Long-Lasting Intermatic Solutions

Ensure your next lighting installation is designed to last for the long haul with reliable lighting controls from Intermatic. Select Intermatic timers, photocontrols and occupancy sensors include innovative zero-crossing technology, which helps minimize the damaging effects of high inrush current events.



What is Zero Crossing?

Zero Crossing refers to the relay switching technology found in a variety of high-performance Intermatic controls. These models are designed to trigger load switching when AC voltage passes the zero mark rather than when operating current is near its peak.

Without this built-in technology, lighting controls can face severe high inrush transients that are up to 100 times the recommended operating level. Over time, this can damage or even completely destroy controls.

Key to Preventing Damage

Zero-crossing technology helps lighting controls match the long lifespan of new LED lighting systems. By taking a proactive approach and confirming lighting controls are compatible with LED bulbs, you can avoid maintenance issues and unexpected replacement costs down the road.

Finding the Right Match

Intermatic has a strong lineup of LED-rated controls that are UL-certified and designed to fit a wide range of applications. From outdoor billboards and parking lot lights to indoor offices and hydroponic applications, our zero-crossing solutions have you covered.

MEET OUR TEAM OF ZERO-CROSSING SOLUTIONS

ET2000 Series Basic+ Electronic Time Switches:

The ET2000 Series offers an easy-to-use interface and detailed scheduling options to match nearly any application. With up to 96 ON/OFF events and 50 holiday blocks, it's a robust digital control that fits seamlessly into existing Intermatic enclosures. The unit's 100-hour capacitor also helps safeguard against power outages.

NightFox™ Pro Series:

Balancing efficiency, durability and functionality, NightFox Pro Series provides municipalities, utilities and co-ops a new level of customization with photocontrols. Tested at full load to 5 k, 10 k, and 15 k ON/OFF cycles with NEMA 410 inrush load abilities, they help meet a wide variety of application needs and budgets without sacrificing quality. They're a top-level photocontrol solution that's tested and warranted to match the life expectancy of LED fixtures.

NightFox™ Series:

Similar to the NightFox Pro Series, standard NightFox Series photocontrols are designed to match the long life of LED and induction lighting fixtures. They come with a 10- to 20-year service life expectancy and include solid-state light sensors and relays that feature zero-crossing technology for more

precise control. Locking type models in two voltage ranges, 120-277 V or 347-480 V, which makes it easy to accommodate any power supply configuration.

talento smart™ Time Switch:

The new talento smart product family was developed with electricians at its core. Its compact DIN rail design streamlines the installation process while Bluetooth® connectivity and the intuitive talento smart mobile app makes it easy to save time programming the device. Zero-crossing technology, 365-day scheduling and automatic Astronomic dusk-to-dawn functionality, it's the perfect digital time switch to manage energy costs in both commercial and residential settings.

Commercial Grade Occupancy Sensors

Intermatic Commercial Grade Occupancy Sensors help installers save on energy costs while adding a level of convenience and security to all types of facilities. Choose from both in-wall and ceiling mount styles, as well as PIR or Dual Technology solutions, to match your project's needs. Our Occupancy Sensors are compatible with incandescent, fluorescent, CFL and LED fixtures, and include zero-crossing technology to maximize the lifespan and performance of fixtures.

- In-Wall Mount Models:
IOS-DSR/DOV/DDR,
IOS-DOV-DT-WH
- Ceiling Mount Models:
IOS-CMP-DT-U,
IOS-HB-U, IOS-CMP-U

Contact your Intermatic sales representative today to learn more about our full catalog of zero-crossing solutions.

