

EK4537

Select Grade Electronic Photo Control, Locking-Type Mounting

Typical Application

- Dusk-to-dawn control of multi-fixture roadway and parking lot lighting

Features

- Non-drifting silicon light sensor, IR filtered for human eye response
- Zero-cross technology helps device withstand severe in-rush current and extend relay life
- Exceeds 10,000 ON/OFF operations at full load, to meet life expectancy of LED fixtures
- Conformal coating PCB assembly
- All components meet 15-year life requirements
- For high-performance LED fixtures, totaling 1,650W @ 277 VAC

Operating Specifications

- Voltage: 347-480 VAC, 50/60 Hz
- Dielectric strength: 5,000 VAC
- Load Ratings: 1000 W Tungsten
1800 VA Ballast
6 A Electronic Ballast/LED Driver
- Operating temperature range: -40°F to 158°F (-40°C to 70°C)
- Turn ON light level 1.5 fc +/- 0.5 fc
- Turn OFF light level: 2.25 fc
- Turn OFF to ON ratio 1.5 : 1
- Time Delay: 2-5 second delay
- Fail mode: ON
- Power consumption < 0.5W @ 277 VAC
- Surge Protection Level: 10kV / 5kA per ANSI C136.2
- Surge Protection Component: 685 Joule MOV
- Cover: Impact/UV resistant White Polypropylene with Yellow band
- Water Ingress Protection: NEMA 3 ('raintight')
- Sensor Orientation: Side Mount Sensor

Regulatory Listings

- ANSI C136.10 and RoHS compliant
- UL certified to both U.S. (UL773) & Canadian (CSA C22.2 182.2-M1974) safety standards
- Tested to NEMA 410 LED loads standards

Warranty

- Limited 8-year manufacturer's warranty

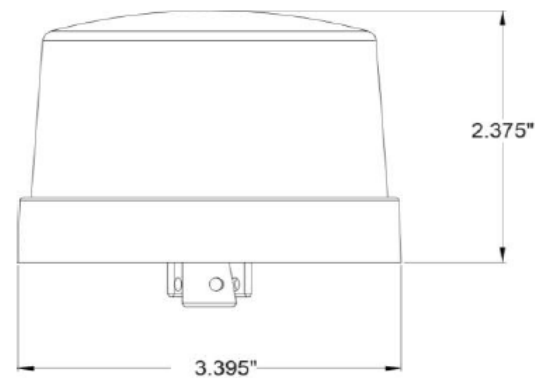
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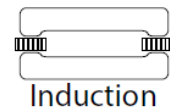
Product Type:

Contact/Phone:

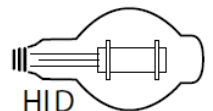
Model #:



Compatible with



Induction



HID

Order No	Operating Voltage	Load Ratings			Activation Details			Packaging
		Tungsten (Watts)	Ballast	Electronic (LED)	ON	OFF	Time Delay	
EK4537	347-480 VAC	1000 W	1800 VA	6 A	1.5 fc	2.25 fc	2-5 sec	Unit Box, 4 color

Specification

The locking-type photo control shall be an electronic control based on a solid-state photo sensor and relay switch circuit. Switch operation shall have a rating of 1000 Watts tungsten and 1800 Watts ballast at 347-480 VAC. For high in-rush LED type fixtures, the photo control switch operation shall have a 6 Amp Electronic Ballast rating at 347-480 VAC. The photo control should fail in an ON state. The photo control operating voltage shall be clearly identified on the control housing by color code or unit label. The photo control shall be equipped with a 2-5 second delay action eliminating activation by light flashes. The photo control shall be equipped with standard 3-prong twist and locking-type plug connection. The plug connection terminals shall be solid brass. The photo control shall consist of industrial grade electronic components, 685 Joule MOV, solid state light sensor, and a 20 A relay. The photo control shall be 100% factory tested and function within specified light levels. The photo control shall be agency certified and tested accordingly. The photo control shall meet agency standards for locking-type devices and all other requirements of ANSI C136.10-2010. The photo control shall operate over a temperature range of -40°F to 158°F (-40°C to 70°C). The photo control should have a manufacturer's limited warranty of 10 years minimum. The photo control shall be the electronic dusk-to-dawn type, Intermatic model EK4537

Limited Product Warranty

(1) What is Covered By This Limited Warranty

Intermatic Incorporated ("Intermatic") warrants Intermatic's EK4537 ("Product") to be free from defects in material or workmanship for a period of eight (8) years from date of purchase. This warranty is extended to the owner of the light fixture on which the photocontrol is installed only and it is not transferable ("purchaser"). If the purchaser discovers a defect in material or workmanship, the purchaser must promptly submit a warranty claim. Upon a determination by Intermatic that the Product is defective, Intermatic, shall correct any defect in material or workmanship by replacing the Defective Product. Any repair to Product, including both parts and labor, shall be at Intermatic's expense. The foregoing remedy is the purchaser's exclusive remedy for a breach of warranty. The product must be installed in the appropriate application in complete accordance with the installation instructions. The Product must not be opened, modified, exposed to extreme heat or cold, submerged or subjected to abnormal use or service. Product failures due to damage by accident, dropping, or abuse in handling, acts of God, or any negligent use, are not covered by this warranty. Intermatic shall determine, in its sole discretion, whether any Product returned by a purchaser has been used in accordance with its instructions, is an appropriate model for the purchaser's use thereof, and whether the Product is defective.

(2) Disclaimer of Warranty

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER EXPRESSED WARRANTIES. TO THE EXTENT ALLOWED BY LAW, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION OF THIS LIMITED WARRANTY.

(3) Limitation of Remedies

IN NO CASE SHALL INTERMATIC BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES BASED UPON BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL THEORY. SUCH EXCLUDED DAMAGES INCLUDE, BUT ARE NOT LIMITED TO, DAMAGE TO SOFTWARE, LOSS OF DATA, LOSS OF PROFITS, LOSS OF SAVINGS OR REVENUE, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT, FACILITIES OR SERVICES, DOWNTIME, THE CLAIMS OF THIRD PARTIES INCLUDING CUSTOMERS, DAMAGE TO PROPERTY AND PERSONAL INJURY. SOME STATES DO NOT ALLOW LIMITS ON WARRANTIES OR ON REMEDIES FOR BREACH IN CERTAIN TRANSACTIONS, IN SUCH STATES, THE LIMITS IN THIS PARAGRAPH AND IN PARAGRAPH (2) MAY NOT APPLY.

(4) Time Limit for Bringing Suit

No action arising out of any claimed breach of warranty may be brought more than one year after the cause of action has occurred.

(5) No Other Warranties

Unless modified in writing signed by both parties, this agreement is understood to be the complete and exclusive agreement between the parties, superseding all prior agreements, oral or written, and all other communications between the parties relating to the subject matter of this agreement. No employee of Intermatic or any other party is authorized to make any warranty in addition to those made in this agreement. This warranty is made by: Intermatic Incorporated/After Sales Service, 7777 Winn Rd., Spring Grove, IL. 60081-9698/815-675-7000
<http://www.intermatic.com>

(6) Claim Procedure

The warranty service is available by either (a) returning the product to the dealer from whom the unit was purchased, or (b) mailing the product, along with proof of purchase, postage prepaid, to the authorized service center listed below.

Address all communications and products returns to:

Intermatic Warranty Coordinator

7777 Winn Road Spring Grove, Illinois 60081-9698, Fax: 815-675-7055