

Electronic Photocontrols

Photocontrols with Extended Life Expectancy

Today's
Lighting
Installations
Require
Tomorrow's
Lighting
Controls



Introducing Electronic Photocontrols from Intermatic

The long life solution for your LED and new induction light fixtures

Are you installing light fixtures with
extended life expectations?

Expect no less from your Photocontrols.

Intermatic's Electronic Photocontrols are
designed to match the long life of new
LED lighting fixtures with a 10 to 20-year
service life expectancy.

This allows full realization of both the cost
savings and benefits of maintenance-free
lighting installations.





Designed for Long Life

- Improved ON/OFF switching with high quality relays
- Zero-crossing electronic circuitry for extended life (Select and Specifier Grade models)
- Employs electronic components exclusively selected to meet extended life targets
- Conformal coated PCB assemblies for long term reliability (Select and Specifier Grade models)

Tested for Long Life

- Products tested to full ON/OFF lifecycles under Tungsten, Magnetic and Electronic Ballast/LED driver loads
- Testing per NEMA 410 to ensure compatibility with today's array of Electronic Ballasts and LED Drivers

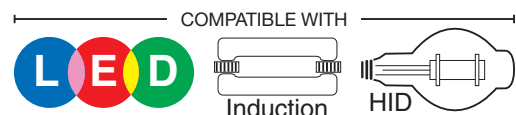
Warrantied for Long Life

- 6, 8 and 12-year warranties
- Intermatic brand assurance for peace of mind and trouble free implementation

More Features

- High load ratings for multi-fixture installations per each photocontrol
- Enhanced surge protection with 255 J and 510 J MOV components
- Meets or exceeds ANSI C136.10/C136.24 and UL/CSA requirements

***Intermatic –
You expect more, we deliver!***



Fix Mount Photocontrols



EK4036S
Button

EK4336S
Wall Mount

EK4436SM
Stem Mount
Side Lens, Metal

EK4136S
Stem Mount
Side Lens, Plastic

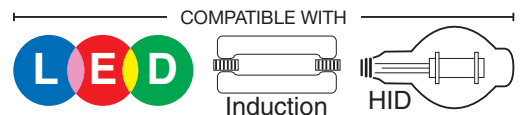
EK4236S
Stem & Swivel
Side Lens

EK4736S
Stem & Swivel
Top Lens

Select Grade Electronic Photocontrols

- Non-drift silicon light sensor with IR filter
- DC relay with zero-crossing circuitry for extended life
- 15-year design life
- Conformal coated PCB
- Exceeds 10,000 ON/OFF switching cycles
- Ideal for single or multi-fixture HID and LED installation (upto 1650 W @ 277 VAC)
- 255 J MOV surge protection element
- 1/2"-14 NPSM threaded stem fits standard outlet boxes and wall packs
- Overall dimensions within ANSI C136.24 guidelines
- 18 awg wire leads

Model #	Voltage	Tungsten Rating	Magnetic Ballast	Electronic Ballast	Turn ON Level	OFF/ON Ratio	Fail Mode	Wire Length
EK4036S	105-305 VAC	1000 W	1800 W	6 A	1.5 fc	1.5:1	ON	9"
EK4336S	105-305 VAC	1000 W	1800 W	6 A	1.5 fc	1.5:1	ON	9"
EK4436SM	105-305 VAC	1000 W	1800 W	6 A	1.5 fc	1.5:1	ON	6"
EK4136S	105-305 VAC	1000 W	1800 W	6 A	1.5 fc	1.5:1	ON	6"
EK4236S	105-305 VAC	1000 W	1800 W	6 A	1.5 fc	1.5:1	ON	6"
EK4736S	105-305 VAC	1000 W	1800 W	6 A	1.5 fc	1.5:1	ON	6"



Twist Lock Photocontrols



LED4536SC

Specifier Grade
Electronic Photocontrol

8A Electronic Ballast

12 YEAR
Limited Warranty

- 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 element



EK4536

Select Grade
Electronic Photocontrol

6A Electronic Ballast

8 YEAR
Limited Warranty

- Non-drift silicon light sensor with IR filter
- DC relay with zero-crossing circuitry for extended life
- 15-year design life
- Conformal coated PCB
- Exceeds 10,000 ON/OFF switching cycles
- Ideal for single or multi-fixture HID and LED installations (up to 1,650 W @ 277 VAC)
- 510 J MOV surge protection element



ELC4536

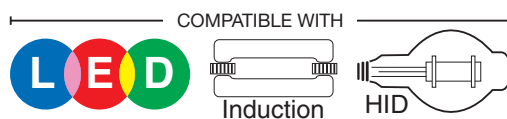
Standard Grade
Electronic Photocontrol

2A Electronic Ballast

6 YEAR
Limited Warranty

- Non-drift silicon light sensor with IR filter
- All components meet 10+ year life expectancy
- Exceeds 5,000 ON/OFF switching cycles
- Ideal for single HID and LED fixtures (up to 550 W @ 277 VAC)
- Power up ON delay (45-60 sec) for easy installation verification and troubleshooting
- 510 J MOV surge protection element

Model #	Voltage	Tungsten Rating	Magnetic Ballast	Electronic Ballast	Turn ON Level	OFF/ON Ratio	Fail Mode
LED4536SC	105-305 VAC	1000 W	1800 VA	8 A	1.5 fc	1.5:1	ON
EK4536	105-305 VAC	1000 W	1800 VA	6 A	1.5 fc	1.5:1	ON
ELC4536	105-305 VAC	1000 W	1800 VA	2 A	1.5 fc	1.5:1	ON



Electronic Photocontrols

Specifications	Fix Mount Photocontrols					Twistlock Photocontrols		
	EK4036S	EK4136S	EK4236S	EK4436SM	EK4736S	ELC4536	EK4536	LED4536SC
Nominal Voltage 50/60 Hz	120/208/240/277					120/208/240/277		
Voltage Range	105-305					105-305		
Photo Sensor	Non-drift silicon sensor with IR filter for Human Eye Response					Non-drift silicon sensor with IR filter for Human Eye Response		
Turn On Level (Foot Candle)	1.5 (Instant ON)					1.5 (Instant ON)		
Turn Off Level (Foot Candle)	2.25					2.25		
Off to On Ratio	1.5:1					1.5:1		
Time Delay OFF	2 to 5 seconds					2 to 5 seconds		
Fail Mode	ON					ON		
Power Consumption	0.1 watts @ 120VAC, 0.4 watts @ 277 VAC					0.1 watts @ 120VAC, 0.4 watts @ 277 VAC		
Dielectric Withstand	2500 V					2500 V		
Operating Temperature	-40°C to +70°C					-40°C to +70°C		
Applicable Standards	Meets or exceeds ANSI C136.24, UL773, and CSA Requirements					Meets or exceeds ANSI C136.10-2010, UL773, and CSA Requirements		
Housing Material	Plastic		Die Cast Metal		Plastic	Plastic		

Specifications	Fix Mount Photocontrols					Twistlock Photocontrols		
	EK4036S	EK4136S	EK4236S	EK4436SM	EK4736S	ELC4536	EK4536	LED4536SC
Load Rating - Tungsten	1000 W					1000 W	1000 W	1000 W
Load Rating - Ballast	1800 VA					1800 VA	1800 VA	1800 VA
Load Rating - Electronic Ballast	6 A					2.0 A	6 A	8 A
Surge Protection	255J MOV / 5,000 Amp surge current					510J MOV / 10,000 Amp surge current		
Power Up ON Test Delay	No					45 - 60sec	No	No
Zero Cross Technology	Yes					No	Yes	Yes
Circuit Board Conformal Coated	Yes					No	Yes	Yes
FR4 Circuit Board	Yes					Yes	Yes	Yes
ON/OFF Operation Cycles	10,000					5,000	10,000	15,000
Design Life Expectancy	15 year					10-year	15-year	20-year
Manufacturer Warranty	8 year					6-year	8-year	12-year
Agency Approvals	cCSAus / cULus					cULus	cCSAus	cCSAus



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