

Intermatic, a leading supplier of photocontrols, provides lighting controls that best meet your needs and budget. Our comprehensive portfolio includes:

### Traditional Thermal Switch Photocontrols

Thermal Photocontrols are electromechanical switches that are based on a Cadmium Sulphide (CdS) photosensor and a bimetallic, thermally sensitive switch mechanism. These simple switches provide a very cost-effective means for dusk-to-dawn control of traditional HID and incandescent lighting loads. In conventional installations, Intermatic photocontrols match the life of the lamp, helping to avoid extra maintenance costs.

- **Low Initial Cost**
- **3- to 5-Year Design Life**
- **1- to 2-Year Product Warranty**

### NightFox™ Electronic Photocontrols

Today's long-lasting lighting installations require lighting controls that are equal to the task. Our NightFox Electronic Photocontrols meet the extended life expectations of new light fixtures, including those associated with LED and induction lighting technologies. NightFox Photocontrols include a solid-state light sensor and relays that feature zero-crossing technology for more precise control and extended service life. These premium photocontrols help maximize the cost-savings and productivity benefits of maintenance-free installations.

- **Tested to Ensure up to 15,000+ ON/OFF Cycles for Maximum ROI**
- **10 to 20-Year Design Life**
- **6 to 12-Year Product Warranty**

## Applications

- Street lighting • Perimeter lighting
- Landscape lighting • Parking Lot lighting • Pathway lighting • Park and Recreational lighting





LC4521

## Locking Type Thermal Photocontrols LC4500 Series

These photocontrols install on light fixtures with ANSI C136.10 NEMA receptacles commonly found on street light fixtures. Locking type design facilitates fast installation and replacement of photocontrol.

### Features

- Mechanical bi-metal switch with Cadmium Sulfide photocell
- Integral high impact thermoplastic housing
- Locking type plug for quick installation and changeover
- Delay feature prevents unwanted OFF switching
- Complies with ANSI C136.10 standard
- Tested to 3,650 ON/OFF cycles

Model #	Voltage	Tungsten	Ballast	Protection
LC4521C	120 VAC, 50/60 Hz	1800 W	1000 VA	None
LC4523	208-277 VAC, 50/60 Hz	3100-4150 W	1700-2300 VA	
LC4527*	347 VAC, 50/60 Hz	5205 W	2880 VA	
LC4535	480 VAC, 50/60 Hz	7200 W	4000 VA	
LC4536C	120-277 VAC, 50/60 Hz	1800-4155 W	1000-2300 VA	
LC4521LA	120 VAC, 50/60 Hz	1800 W	1000 VA	Spark Gap Surge Arrestor
LC4523LA	208-277 VAC, 50/60 Hz	3100-4150 W	1700-2300 VA	
LC4535LA	480 VAC, 50/60 Hz	7200 W	4000 VA	
LC4536LAC	120-277 VAC, 50/60 Hz	1800-4155 W	1000-2300 VA	

Note: \*LC4527 is only CSA.



Ratings	
Operating Voltage	See Model Table
Inductive Ballast	8.3 A
Incandescent	15 A
Activation On	5 fc
Activation Off	15 fc
Operating Temperature	-40° F to 158° F (-40° C to 70° C)
Dimensions H x Dia	2 3/4" x 3" (69.9mm x 76.2 mm)
Warranty	2-year limited



LC2100

## Low-Cost Multivoltage Locking Type Thermal Photocontrols

### LC2000 Series

This model combines a silicon diode photosensing element with thermal switch to provide a multivoltage, cost-effective photocontrol.

### Features

- Mechanical bimetal switch with Silicon Diode photocell
- Thermoplastic housing with window
- Multivoltage covers 120 to 277 VAC applications
- Complies with ANSI C136.10

Model #	Voltage	Tungsten	Ballast
LC2100	120-277 VAC, 50/60 Hz	1800 W	1000 VA



Ratings	
Operating Voltage	See Model Table
Inductive Ballast	1800 VA, 120-277 VAC, 50/60 Hz
Incandescent	1000 W, 120-277 VAC, 50/60 Hz
Activation On	1.5 fc
Activation Off	6 fc
Operating Temperature	-40° F to 158° F (-40° C to 70° C)
Dimensions H x Dia	2 7/32" x 3" (56.4mm x 76.2 mm)
Warranty	2-year limited

## For all Models Above

### Accessories

Shorting Plug, Rating: 15 A, 480 VAC Max	K4500
ANSI C136.10 Locking Type Receptacle, (9" lead)	K121
ANSI C136.10 Locking Type Receptacle, (30" lead)	K121-30
Sealed Locking Type Receptacle with Pole Bracket	K122



K4500



K121/K121-30



K122



**12** YEAR  
Limited Warranty

### NightFox™ Specifier Series

LED4536SC  
LED4537SC

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



**8** YEAR  
Limited Warranty

### NightFox™ Select Series

EK4536  
EK4537

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



**6** YEAR  
Limited Warranty

### NightFox™ Standard Series

ELC4536

LED-compatible photocontrol features a 10-year life expectancy. Ideal for single fixture control of smaller LED fixtures that require a cost-effective solution.

**Features**

- Non-drift silicon light sensor with IR filter
- All components meet over 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



## For all Models above

Model #	Warranty	Voltage	Inductive Ballast	Electronic Ballast	Incandescent
LED4536SC	12-year limited	120-277 VAC, 50/60 Hz	1800 VA, 120-277 VAC, 50/60 Hz	8 A, 120-277 VAC, 50/60 Hz	1000 W, 120-277 VAC, 50/60 Hz
LED4537SC	12-year limited	347/480 VAC, 50/60 Hz	1800 VA, 347/480 VAC, 50/60 Hz	8 A, 347/480 VAC, 50/60 Hz	1000 W, 347/480 VAC, 50/60 Hz
EK4536	8-year limited	120-277 VAC, 50/60 Hz	1800 VA, 120-277 VAC, 50/60 Hz	6 A, 120-277 VAC, 50/60 Hz	1000 W, 120-277 VAC, 50/60 Hz
EK4537	8-year limited	347/480 VAC, 50/60 Hz	1800 VA, 347/480 VAC, 50/60 Hz	8 A, 347/480 VAC, 50/60 Hz	1000 W, 347/480 VAC, 50/60 Hz
ELC4536	6-year limited	120-277 VAC, 50/60 Hz	1800 VA, 120-277 VAC, 50/60 Hz	2 A, 120-277 VAC, 50/60 Hz	1000 W, 120-277 VAC, 50/60 Hz

**Accessories**

Shorting Plug, Rating: 15 A, 480 V max	K4500
ANSI C136.10 Locking Type Receptacle, (9" lead)	K121
ANSI C136.10 Locking Type Receptacle, (30" lead)	K121-30
Sealed Locking Type Receptacle with Pole Bracket	K122



K4500



K121/K121-30



K122



Ratings	
Operating Voltage	See Model Table
Inductive Ballast	See Model Table
Electronic Ballast	See Model Table
Incandescent	See Model Table
Activation On	1.5 fc
Activation Off	2.25 fc
Time Delay	2 sec to 5 sec
Operating Temperature	-40° F to 158° F (-40° C to 70° C)
Dimensions H x Dia	2 3/4" x 3 3/4" (69.9 mm x 85.8 mm)
Warranty	See Model Table

Model #	Description
<b>Mechanical Time Switches (continued)</b>	
156T1978A	1 Set of ON/OFF Trippers for T100, T7000, and WH40
156T1978AD12	12 Pack of 156T1978A Trippers for T100, T7000, and WH40
156T1978All	2 Sets of ON/OFF Trippers for T100, T7000, and WH40
156T2548A	7 Sets of ON/OFF Trippers for T7400 and T7800 Series
156T2978A	Package Accessory Trippers
156T3085A	Skipper Screws for T170 Series, T1470 Series, and T1870 Series
22T338GR	Bracket for T100, T170, T1900, T2000, & C8800 Series
WG1570-10D	125 VAC, 60Hz Motor for T101, T103, T105
WG1573-10D	208-277 VAC, 60 Hz Motor for T102, T104, T106, T172, T174, WH40
WG730-14D	125 VAC, 60 Hz Motor for R8800, T1900, T1970, and T8800 Series
WG733-14D	208-277 VAC, 60 Hz Motor for R8800, T1900, T1970, and T8800 Series
<b>Metal Trippers</b>	
156T1948A	Trippers (1) Set (ON/OFF/ON Cutout) for T170, P171, T1400, and T1800 Series
156T1949A	Tripper Variable (10 to 60 Min) for T185
156T1950A	Trippers (12 ON/OFF) for T1900, T2000, C8800, R8800 and T8800 Series
159T1954A	14 Pins for R8800 and T8800 Series
156T1957A	Skipper Screws (3 per package)
156T1978A	Trippers (1 ON/1 OFF) for T100, T7000, and WH40
156T2548A	Trippers 7 sets (ON/OFF) for T5100, T7400 and T7800 Series
156EB1945A	Trippers for E1020 (Pack of 2)
156T3085A	3 Skipper Screws for T170, P171, T1400, T1800 and WH Series
156T3230A	Trippers (1) Set (ON/OFF/ON Cutout) for WH Series
156T3225A	Trippers WH40
<b>Photocontrols</b>	
6LV1352	Light Shield for Button Photocontrol (K4000 Series, K4321, K4400 Series, EK4036S, EK4436S, EK4436SM)
K43-WP-KIT	Wall Plate Kit (for Button - K4000 Series, EK4036S)
22LG563	Replacement Light Guard for Thermal Photocontrols (K4100 and K4200 Series)
K42-SW-A	Swivel Arm
K4500	Shorting Plug, Rating: 15 A, 480 VAC Max
K121	ANSI C136.10 Locking Type NEMA Receptacle, (9" lead)
K121-30	ANSI C136.10 Locking Type NEMA Receptacle, (30" lead)
K122	Sealed Locking Type NEMA Receptacle with Pole Bracket

Model #	Description
<b>Plastic Trippers</b>	
107SB234	Green (ON) for HB35R, HB36R (Outdoor)
107SB189	Red (OFF) for HB35R, HB36R (Outdoor)
107SB216	Green (ON) for HB31R, HB32R
107SB217	Red (OFF) for HB31R, HB32R
107HB254	Green (ON) for HB11, HB1113RC, HB1116R, HB3116R8, P1121 (Outdoor)
107HB255	Red (OFF) for HB11, HB1113RC, HB1116R, HB3116R8, P1121 (Outdoor)
107TN222	Turquoise (ON) for TN, PB, TB Series, P1101, P1131, P1161, P1261P, AL300TPWS, AL600TPWS and AL900TPWS
107TN221	Red (OFF) for TN, PB, TB Series, P1101, P1131, P1161, P1261P, AL300TPWS, AL600TPWS and AL900TPWS
107SB189	Red (ON) for SB Series, HB112C, HB113C, HB114C (Indoor), AL300RTW, AL600TW, AL900TW, AL60TW and ML Series Transformer Timers
107SB192	Black (OFF) for SB Series, HB112C, HB113C, HB114C (Indoor), AL300RTW, AL600TW, AL900TW, AL60TW and ML Series Transformer Timers
<b>Pool &amp; Spa</b>	
119T267	Transformer - 100 W, 120 V, 60 Hz
119T340	Transformer - 300 W, 120 V, 60 Hz
124--00066	Insulator for Timers
124T2411A	Time Switch Insulator - 10 Pack
124T2530A	8-Pole Buss Bar Assembly
133RC1144	Pressure Sensing Momentary Air Switch - 3 A
143RC140	Relay - 4-Function Stepper
143RC151	Relay - DPST, 3 HP, 24 VAC
143T135	Relay - DPST, 3 HP, 240 VAC
143T136	Relay - DPST, 3 HP, 120 VAC
143T145A	Relay - DPST, 3 HP, 24 VDC
156PB10398A	Trippers - Clip, ON/OFF, 24-Hr
156T6738A	Insulators for Time Switch Manual Lever - 10 pack
178T24	Freeze Protection Thermostat
21T156A	Spacer-Standoff, 3" long - 4 pack
21T166A	Spacer-Standoff, 3" long - 2 pack
22T904A	Breaker Hold-Down Kit (If breaker is used as a backfed device)
2T2485GA	Case - Raintight, Beige, Painted
2T2502GA	Case - Rainproof, Plastic
PA102	Switch Assembly with Thermostat and Relay
PA114	Mounting Bracket for Pool/Spa Light Junction Boxes
PA115	Trippers - OFF - 25 pack
PA117	Replacement Latch Kit
PA120	Relay - DPST with 24 VAC coil
<b>Specialty Time Switches</b>	
133T1115A	Toggle Switch for T8800 and R800 Series
133T700A	Micro switch for T8800 and R800 Series