

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





K4121C



K4423M

Stem Mount Thermal Photocontrols

K4100 and K4400 Series

These photocontrols install on standard outdoor light fixtures and electrical boxes with 1/2"-14 NPSM thread or 7/8" knock-out holes for dusk-to-dawn ON/OFF control of outdoor lighting.

Features

- Mechanical bimetal switch with Cadmium Sulfide photocell
- Delay feature prevents unwanted OFF switching
- Plastic and die-cast metal housing options
- 1/2"-14 NPSM threaded stem
- Washer gasket and locking nut included
- #18 AWG, 9" wire leads

Model #	Voltage	Tungsten	Ballast	Housing
K4121C	120 VAC, 50/60 Hz	1800 W	1000 VA	Polycarbonate
K4141C†	120 VAC, 50/60 Hz	3000 W	3000 VA	
K4123C	208-277 VAC, 50/60 Hz	3100-4150 W	1700-2300 VA	
K4127*	347 VAC, 50/60 Hz	5205 W	2880 VA	
K4135†	480 VAC, 50/60 Hz	7200 W	4000 VA	
K4421M	120 VAC, 50/60 Hz	1800 W	1000 VA	Die-Cast Zinc
K4423M	208-277 VAC, 50/60 Hz	3100-4150 W	1700-2300 VA	

Note: *K4127 is only CSA. †K4135 is not UL/CSA certified.



K4221C



K4251

Stem and Swivel Mount Thermal Photocontrols

K4200 Series

These photocontrols are provided with a swivel arm for easy and flexible installation to standard outdoor light fixtures or electrical boxes.

Features

- Mechanical bimetal switch with Cadmium Sulfide photocell
- Delay feature prevents unwanted OFF switching
- High strength, UV resistant plastic housing
- Swivel with 1/2"-14 NPSM threaded stem
- Washer gasket and locking nut included
- #18 AWG, 6" wire leads

Model #	Voltage	Tungsten	Ballast	Sensor Location
K4221C	120 VAC, 50/60 Hz	1800 W	1000 VA	Side
K4223C	208-277 VAC, 50/60 Hz	3100-4150 W	1700-2300 VA	
K4235†	480 VAC, 50/60 Hz	7200 W	4000 VA	
K4227*	347 VAC, 50/60 Hz	5205 W	2880 VA	
K4236C	120-277 VAC, 50/60 Hz	1800-4150 W	1000-2300 VA	
K4251*	120 VAC, 50/60 Hz	1800 W	1000 VA	Top
K4253*	208-277 VAC, 50/60 Hz	3100-4150 W	1700-2300 VA	

Note: *K4227, K4253, K4251 is only CSA.

†K4235 is not UL/CSA certified.

For all Models Above



Ratings	
Operating Voltage	See Model Table
Inductive Ballast	
All Models	8.3 A
K411C	25 A
Incandescent	
All Models	15 A
K411C	25 A
Activation On	1 to 5 fc
Activation Off	3 to 15 fc
Operating Temperature	-40° F to 158° F (-40° C to 70° C)
Wire Leads	#18 AWG, 9"
Dimensions H x W x D	3" X 1 1/16" X 1 1/16" (76.2mm x 39.7mm x 39.7mm)
Warranty	2-year limited; 1-year limited for K4251, K4253 & K4141C

Accessories

Light Guard	22LG116
Swivel Arm	K42-SW-A
Light Shield	6LV1352



22LG116



K42-SW-A



6LV1352

Model #	Description
Mechanical Time Switches (continued)	
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
Metal Trippers	
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
Photocontrols	
6LV1352	Light Shield for Button Photocontrol (K4000 Series, K4321, K4400 Series, EK4036S, EK4336S, 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
Plastic Trippers	
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
Pool & Spa	
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
Specialty Time Switches	
133T1115A	Toggle Switch for T8800 and R800 Series
133T700A	Micro switch for T8800 and R800 Series