



S Series Photocontrols

S Series electronic photocontrols are designed for HID luminaire operations and utilize a unique light sensor with a spectral response which mirrors the visible light spectrum of the human eye. The S Series photocontrols are not susceptible to operational "drift" caused by harsh environments or by overheating. Extended life is achieved through a non-chatter load break from a low power consumption DC circuit.

Features

- Meets or exceeds ANSI C136.10
- Proven DC circuit design
- Close 1:1.5 On to Off operating ratio
- Non-chatter load break
- Phototransistor operates with visible light spectrum
- 12 year expected life
- Low power consumption = extended life
- Close ratio reduces burning hours at sunrise
- Significantly reduced energy and maintenance costs

Specifications

Housing:	UV stabilized, impact resistant polypropylene
Base:	High temperature ABS
Contact Blades:	Solid brass, three prong, locking type
Gasket:	Cross linked polyethylene
Packaging:	Individual units are sealed in water resistant plastic
Weight:	3.0 oz. each, 20 lbs. per 100 unit carton
Size:	16" x 16" x 12" per 100 unit carton

Operating Voltage

Load Rating:	1000 Watt tungsten, 1800 VA
Life at rated load:	5,000 Operations (13.7 Years)
Power Consumption:	1.0 watts average @ 120 volts 1.6 watts average @ 208 volts 1.9 watts average @ 240 volts 2.1 watts average @ 277 volts
Moisture Resistance:	100% RH
Surge Protections:	<ul style="list-style-type: none"> • 190 Joule (6,500 Amps) MOV • (2) 190 Joule (13,000 Amps) MOV • 380 Joule (10,000 Amps) MOV
Operating Light Levels:	+/- 0.1 fc. from specified turn-on level 1:1.5 Average turn-on to turn-off ratio
Photosensor:	Encapsulated phototransistor
Dielectric Strength:	5,000 Volts between any current carrying part
Ambient Temp. Range:	-40°C to +70°C (-40°F to + 158°F)

Ordering Information

S120 - 1.0 - P - T - M - BR

Model #	Turn On	Photosensor	Time Delay	Surge Protection	Color
S120 (105-130V)	1.0 fc	P Phototransistor	_ No Delay *	M 190 Joule	_ Per ANSI *
S124 (105-305V)	1.5 fc		T 3-5 sec. Delay	Y (2) 190 Joule	BR Brown
S240 (185-305V)	2.0 fc			W 380 Joule	BK Black
S480 (315-530V)	2.6 fc				<i>Other colors available</i>

SX - standard grade electronics, FAIL OFF Version Available

* No Letter

Not recommended for LED installations

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