



### 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

### Ordering Information

## S120 - 1.0 - P - T - M - BR

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

SX - standard grade electronics, FAIL OFF Version Available

\* No Letter

**Not recommended for LED installations**

### Specifications

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

### Operating Voltage

<b>Load Rating:</b>	1000 Watt tungsten, 1800 VA
<b>Life at rated load:</b>	5,000 Operations (13.7Years)
<b>Power Consumption:</b>	1.0 watts average @ 120 volts 1.6 watts average @ 208 volts 1.9 watts average @ 240 volts 2.1 watts average @ 277 volts
<b>Moisture Resistance:</b>	100% RH
<b>Surge Protections:</b>	▪ 190 Joule (6,500 Amps) MOV ▪ (2) 190 Joule (13,000 Amps) MOV ▪ 380 Joule (10,000 Amps) MOV
<b>Operating Light Levels:</b>	+/- 0.1 fc. from specified turn-on level 1:1.5 Average turn-on to turn-off ratio
<b>Photosensor:</b>	Encapsulated phototransistor
<b>Dielectric Strength:</b>	5,000 Volts between any current carrying part
<b>Ambient Temp. Range:</b>	-40°C to +70°C (-40°F to + 158°F)