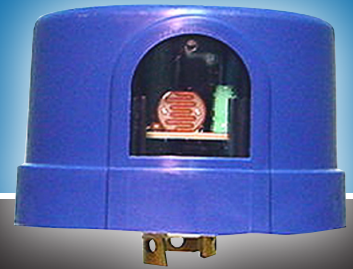
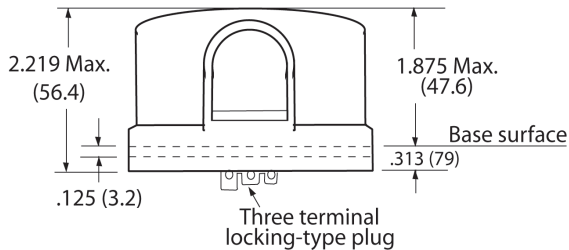


# S Series

Cadmium sulfide sensor  
solid state photocontrols



“Optimum Performance with Human Eye Response”



## S Series Photocontrols

S Series electronic photocontrols have a spectral response that mirrors that of the human eye. Tight On /Off ratios and a cadmium sulfide sensor with minimal sensitivity to invisible light (ultra-violet & infra-red) provide energy savings from minimal burning hours. S Series units have extended life due to non-chatter operation at load break and having the cadmium sulfide sensor operate in a low voltage DC electronic 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
- Light level sensing with a spectral response similar to visible light (not sensitive to UV & IR)
- Heavy duty construction

## Ordering Information

### S120 - 1.0 - S - T - M - BR

Model #	Turn On	Photosensor	Time Delay	Surge Protection	Color
<b>S120</b> (105-130V)	<b>1.0</b> fcs. On	<b>S</b> Standard Cell	_ No Delay**	_ 90J MOV**	_ Per ANSI**
<b>S124</b> (105-305V)	<b>1.5</b> fcs. On	<b>E</b> Encapsulated	<b>T</b> 3-5 sec. Delay	<b>M</b> 190 MOV	<b>BR</b> Brown
<b>S240</b> (195-305V)	<b>2.0</b> fcs On			<b>Y</b> 2 190 MOV's	<b>BK</b> Black
<b>S480</b> (420-530V)	<b>2.5</b> fcs. On			<b>W</b> 380 MOV	

SX - standard grade electronics  
Fail off version available

\*\* No Letter

## 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 (13.7 Years)
<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>Standard Surge Protections:</b>	90 Joule (4,500 Amps) MOV 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>	Conformally coated cadmium sulfide photocell Encapsulated cadmium sulfide photocell
<b>Dielectric Strength:</b>	5,000 Volts between any current carrying part
<b>Ambient Temperature Range:</b>	-40°C to +70°C (-40°F to + 158°F)