

SST Series

Key Features

- Energy Saving Inverse Off/On Ratio
- 30 Amp Relay / Microprocessor Controlled
- 180 Joule MOV Surge Protection
- Non-Drifting Phototransistor
- 30-45 Second "Off" and "On" Delay
- Rain-Tight / Dust-Tight Housing
- ANSI C136.10 Compliant

The SST controls deliver reliable solid-state performance and, with their inverse off/on ratio, minimize total annual lamp burning hours. These controls feature a heavy-duty DC magnetic switch that provides high shock and vibration resistance, as well as a 30-45 second On and Off time delay. This delay eliminates any chance of unwanted luminaire cycling caused by lightning, car headlights, or from other sudden changes in ambient light. The SST controls light sensor is a non-drifting phototransistor that ensures consistent and uniform switching over the life of the control. The SST-PV-IES model has been specifically engineered to comply with the new I.E.S. recommendation. The I.E.S. recommendation states that street lighting should be switched on when the ambient light reaches 3.0 Fc to compensate for the typical 4-6 minute warmup time of HID lamps.



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| Switch | DC Electromagnetic, rated 30 Amp resistive |
| Fail Mode | On (Contacts normally closed) |
| Power Consumption | 1.1 Watts (avg) @ 120 volts |
| Switch Lifetime | Exceeds 5,000 on/off operations, per ANSI C136.10 |
| Temperature Range | -40°C to +65°C @ 96% RH |
| Cover | High impact polypropylene with UV resistant acrylic window |
| Base | High-temperature polyester (PBT) |
| Gasket | Cross-linked polyethylene |
| Connection | 3-pole locking-type, with solid brass legs |
| Light Sensor | Non-drifting phototransistor |

| Model | Rated Volts | Range (Volts) | Load Rating Tungsten (Watts) | Load Rating Ballast (VA) | Surge Protection (Joules) | Turn On (Fc) | Off/On Ratio | Fail Mode |
|------------|-----------------------|---------------|------------------------------|--------------------------|---------------------------|--------------|--------------|-----------|
| SST-120 | 120 | 105 - 130 | 1000 | 1800 | 180 | 1.5 +/- 0.5 | .6 : 1 | On |
| SST-240 | 240 | 185 - 305 | 1000 | 1800 | 180 | 1.5 +/- 0.5 | .6 : 1 | On |
| SST-PV | 120 / 208 / 240 / 277 | 105 - 305 | 1000 | 1800 | 180 | 1.5 +/- 0.5 | .6 : 1 | On |
| SST-PV-IES | 120 / 208 / 240 / 277 | 105 - 305 | 1000 | 1800 | 180 | 3.0 +/- 0.5 | .6 : 1 | On |

The photocontrols on this page can be used to safely control luminaires with incandescent lamps, as well as with either HID or fluorescent lamps.