Solid State

- FSU .......................................................... 6.2
- FS126, FS127, FS146, FS147 ..................... 6.3
- FS143, FS152, FS162 ............................... 6.4
- FS200 .......................................................... 6.5
- FS300 .......................................................... 6.6
- FS400 .......................................................... 6.7
- AF ................................................................. 6.8

Relay

- FS500 .......................................................... 6.9

Chasers

- SC3 ............................................................... 6.10
- SC4 ............................................................... 6.10
**Universal Flasher**

**FSU1000 Series**

**Solid State Flasher**

### Description
The FSU1000 incorporates an onboard adjustable flash rate of 10 to 100 flashes per minute and a universal input voltage in one device. Its circuitry is encapsulated and is capable of controlling loads of up to 20 A. The versatility of the FSU1000 makes it ideal for applications where various flash rates and operating voltages are required.

### Operation
When input voltage is applied to terminal 2 and the load (lamp), the load energizes steadily. When input voltage is applied to terminal 3, the output flashes.

### Optional Low Current Switch (S1)
This low current switch could be a limit switch or contact. While open, the operator sees the load (lamp) ON and operating. When the limit switch closes, the load (lamp) flashes to attract attention.

### Connection
![Connection Diagram]

Dashed lines are internal connections.

### Function
Flasher NC

### Ordering Table

<table>
<thead>
<tr>
<th>Inrush Rating</th>
<th>Rating</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 A</td>
<td>1 A</td>
<td>FSU1000</td>
</tr>
<tr>
<td>60 A</td>
<td>6 A</td>
<td>FSU1003</td>
</tr>
<tr>
<td>100 A</td>
<td>10 A</td>
<td>FSU1004</td>
</tr>
<tr>
<td>200 A</td>
<td>20 A</td>
<td>FSU1005</td>
</tr>
</tbody>
</table>

### Technical Data

<table>
<thead>
<tr>
<th>Operation</th>
<th>ON/OFF recycling solid state flasher (continuous duty)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Rate</td>
<td>Adjustable 10...100 FPM</td>
</tr>
<tr>
<td>ON/OFF Ratio</td>
<td>≅ 50%</td>
</tr>
</tbody>
</table>

### Input

| Range/Frequency | 24...240 V AC/ 50...60 Hz |

### Output

<table>
<thead>
<tr>
<th>Load Type</th>
<th>Inductive, resistive, or incandescent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Load Rating</td>
<td>1, 6, 10, or 20 A steady state</td>
</tr>
<tr>
<td>Inrush</td>
<td>10 times steady state current</td>
</tr>
</tbody>
</table>

### Mechanical

| Mounting | Surface mount with one #10 (M5 x 0.8) screw |
| Termination | 0.25 in. (6.35 mm) male quick connect terminals |

### Protection

| Circuitry | Encapsulated |

### Environmental

| Operating Temperature | -20°C ... +60°C (240 V AC +50°C) |
| Storage Temperature   | -40°C ... +85°C |
| Weight                | 1 A units: ≅ 2.4 oz (68 g) |
|                       | ≥ 6 A units: ≅ 3.9 oz (111 g) |

*Units rated ≥ 6 A must be bolted to a metal surface using the included heat sink compound. The maximum mounting surface temperature is 90°C.*
**Flasher - Low Cost**

**FS100 Series**

**Solid State Flasher**

### Description

The FS100 Series may be used to control inductive, incandescent or resistive loads. This series offers a 1 A (fullwave) or a 2 A (halfwave) steady state, 10 A inrush solid state output; and may be ordered with an input voltage of 24 or 120 V AC. The FS100 Series offers a factory fixed flash rate of 75 flashes per minute or may be ordered with a fixed custom flash rate ranging from 45 to 150 flashes per minute. Ideal for OEM applications where cost is a factor.

### Operation

Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed.

**Reset:** Removing input voltage resets the output and the sequence to T2.

### Connection

```
V = Voltage
R = Red Wire
B = Black Wire
L = Load
```

### Function

```
V = Voltage
R = Reset
L = Load
T1 = ON Time
T2 = OFF Time
```

### Mechanical View

![Mechanical View Diagram]

### Ordering Table

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Output Type</th>
<th>Load Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V AC</td>
<td>AC, Fullwave</td>
<td>A</td>
<td>FS126</td>
</tr>
<tr>
<td>24 V AC</td>
<td>AC, Fullwave</td>
<td>B</td>
<td>FS126RC</td>
</tr>
<tr>
<td>24 V AC</td>
<td>AC, Halfwave</td>
<td>A</td>
<td>FS127</td>
</tr>
<tr>
<td>24 V AC</td>
<td>AC, Fullwave</td>
<td>A</td>
<td>FS146</td>
</tr>
<tr>
<td>24 V AC</td>
<td>AC, Halfwave</td>
<td>B</td>
<td>FS146RC</td>
</tr>
<tr>
<td>24 V AC</td>
<td>AC, Halfwave</td>
<td>A</td>
<td>FS147</td>
</tr>
</tbody>
</table>

*Load Type: A - Incandescent & Resistive B - Incandescent, Resistive & Inductive

### Technical Data

**Specifications**

- **Mode of Operation**: OFF/ON solid state flasher for continuous duty
- **Flash Rate**: Factory fixed at 75 flashes per minute +/-20%
- **ON/OFF Ratio**: ≅ 50%
- **Input Voltage**: 24, 120 V AC, +/-15%, 50 ... 60 Hz
- **Output**: Fullwave AC or Halfwave rectified AC
- **Load Type**: Incandescent, resistive, or inductive,
  (Choose RC Suffix for inductive loads)
- **Maximum Load Rating**: Fullwave: 1A steady state; Halfwave: 2 A steady state
- **Inrush**: 10 A
- **Mechanical**: Removable mounting bracket, use one #8 (M4 x 0.7) screw
  18 AWG (0.82mm²) wires 6 in. (15.2cm)
  1.5 x 0.94 in. (38.1 x 23.9 mm)
- **Protection**: Encapsulated
- **Environmental**: -20°C ... +60°C/-40°C ... +85°C
  95% relative, non-condensing
  ≅ 1.1 oz (31 g)
Flasher - Medium/High Power
FS100 Series
Solid State Flasher

**Description**
The FS100 Series may be used to control inductive, incandescent, or resistive loads. Input voltages of 24, 120, or 230 V AC are available. Factory fixed flash rate of 90 flashes per minute or may be ordered with a fixed custom flash rate ranging from 10 to 300 flashes per minute. Encapsulation provides protection against shock, vibration, and humidity. This group of solid state flashers has proven reliability with years of use throughout the world.

**Operation**
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed. Reset: Removing input voltage resets the output and the sequence to T2.

**Connection**

![Connection Diagram]

Dashed lines are internal connections.

**Function**

![Function Diagram]

V = Voltage  \( \text{L = Load} \)
\( \text{R = Reset} \)
\( T1 = \text{ON Time} \)
\( T2 = \text{OFF Time} \)

**Mechanical View**

![Mechanical View Diagram]

\( \text{V = } \frac{1}{2} \text{ inch (6.35 mm)} \)
\( \text{L = Load} \)
\( \text{R = Reset} \)
\( T1 = \text{ON Time} \)
\( T2 = \text{OFF Time} \)

**Ordering Table**

<table>
<thead>
<tr>
<th>Input</th>
<th>Rating</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 V AC</td>
<td>3 A</td>
<td>FS143</td>
</tr>
<tr>
<td>120 V AC</td>
<td>3 A</td>
<td>FS152</td>
</tr>
<tr>
<td>230 V AC</td>
<td>3 A</td>
<td>FS162</td>
</tr>
</tbody>
</table>

**Technical Data**

| **Operation**          | OFF/ON solid state flasher for continuous duty
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash Rate</strong></td>
<td>Factory fixed at 90 flashes per minute +/-10%</td>
</tr>
<tr>
<td><strong>Custom Flash Rates</strong></td>
<td>Available from 10 ... 300 FPM +/-10%</td>
</tr>
<tr>
<td><strong>ON/OFF Ratio</strong></td>
<td>( \cong 50% )</td>
</tr>
<tr>
<td><strong>Input Voltage</strong></td>
<td>24, 120, or 230 V AC., +/-15%, 50 ... 60 Hz</td>
</tr>
<tr>
<td><strong>Load Type</strong></td>
<td>Inductive, resistive, or incandescent</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>Fullwave AC, solid state, SPST</td>
</tr>
<tr>
<td><strong>Maximum Load Rating</strong></td>
<td>3 A steady state</td>
</tr>
<tr>
<td><strong>Inrush</strong></td>
<td>10 times steady state current</td>
</tr>
<tr>
<td><strong>Mounting</strong></td>
<td>Surface mount with one #10 (M5 x 0.8) screw</td>
</tr>
<tr>
<td><strong>Package</strong></td>
<td>2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)</td>
</tr>
<tr>
<td><strong>Termination</strong></td>
<td>0.25 in. (6.35 mm) male quick connect terminals</td>
</tr>
<tr>
<td><strong>Protection</strong></td>
<td>Encapsulated</td>
</tr>
<tr>
<td><strong>Environmental</strong></td>
<td>Operating/Storage Temperature</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>-20°... +60°C / -40°... +85°C</td>
</tr>
<tr>
<td></td>
<td>( \cong 2.2 \text{ oz (62 g)} )</td>
</tr>
</tbody>
</table>
DC Flasher
FS200 Series
Solid State Flasher

Description
The FS200 Series may be used to control inductive, incandescent, or resistive loads. Input voltages of 12, 24, 36, 48, or 110 V DC are available. Factory fixed flash rate of 90 flashes per minute or may be ordered with a fixed custom flash rate ranging from 10 to 180 flashes per minute. Encapsulation provides protection against shock, vibration, and humidity. Uniform performance, high inrush current capability, and low RFI, make this series ideal for general industrial applications.

Operation
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed. Reset: Removing input voltage resets the output and the sequence to T2.

Function

Connection

Dashed lines are internal connections.

Ordering Table

<table>
<thead>
<tr>
<th>Input</th>
<th>Rating</th>
<th>Package</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 V DC +/-20%</td>
<td>3 A</td>
<td>Quick Connect</td>
<td>FS219</td>
</tr>
<tr>
<td>24 V DC +/-20%</td>
<td>3 A</td>
<td>Quick Connect</td>
<td>FS224</td>
</tr>
<tr>
<td>36 V DC +/-20%</td>
<td>1 A</td>
<td>Quick Connect</td>
<td>FS236</td>
</tr>
<tr>
<td>48 V DC +/-15%</td>
<td>0.75 A</td>
<td>Quick Connect</td>
<td>FS248</td>
</tr>
<tr>
<td>110 V DC +/-15%</td>
<td>0.25 A</td>
<td>Quick Connect</td>
<td>FS290</td>
</tr>
</tbody>
</table>

Technical Data

<table>
<thead>
<tr>
<th>Operation</th>
<th>Flash Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF/ON solid state flasher for continuous duty</td>
<td>Factory Fixed at 90 flashes per minute +/-10%</td>
</tr>
<tr>
<td>Custom Flash Rate</td>
<td>Available from 10 ... 180 flashes per minute ≅ 50%</td>
</tr>
</tbody>
</table>

Input

<table>
<thead>
<tr>
<th>Input Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>12, 24, 36, 48, or 110 V DC</td>
</tr>
</tbody>
</table>

Output

<table>
<thead>
<tr>
<th>Load Type</th>
<th>Maximum Load Rating</th>
<th>OFF State Leakage Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inductive, resistive, or incandescent</td>
<td>12 &amp; 24 V DC</td>
<td>≤ 250 µA</td>
</tr>
<tr>
<td>0.25 ... 3 A steady state</td>
<td>10 times steady state current</td>
<td></td>
</tr>
</tbody>
</table>

Mechanical

<table>
<thead>
<tr>
<th>Mounting</th>
<th>Package</th>
<th>Termination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface mount with one #10 (M5 x 0.8) screw</td>
<td>2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)</td>
<td>0.25 in. (6.35 mm) male quick connect terminals</td>
</tr>
</tbody>
</table>

Protection

<table>
<thead>
<tr>
<th>Circuitry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Encapsulated</td>
</tr>
</tbody>
</table>

Environmental

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>Storage Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>-20°C ... +60°C</td>
<td>-40°C ... +85°C</td>
</tr>
<tr>
<td>≅ 2.2 oz (62 g)</td>
<td></td>
</tr>
</tbody>
</table>

See accessory pages for specifications.
DC Flasher
FS300 Series
Solid State Flasher

Description
The FS300 Series of solid state flashers were specifically designed to operate lamp loads. Their two-terminal series connection feature makes installation easy. The high immunity to line noise and transients makes the FS300 Series ideal for moving vehicle applications. All solid state construction means reliability and long life.

Connection
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed.

Reset: Removing input voltage resets the output and the sequence to T2.

Function

Mechanical View

Ordering Table

<table>
<thead>
<tr>
<th>Specification</th>
<th>FS312</th>
<th>FS324</th>
<th>FS336</th>
<th>FS348</th>
<th>FS372</th>
<th>FS390</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>12 V</td>
<td>24 V</td>
<td>36 V</td>
<td>48 V</td>
<td>72 V</td>
<td>110 V</td>
</tr>
<tr>
<td>Maximum Load Current</td>
<td>2.5 A</td>
<td>1.5 A</td>
<td>1.0 A</td>
<td>0.75 A</td>
<td>0.5 A</td>
<td>0.25 A</td>
</tr>
<tr>
<td>Part Number</td>
<td>FS312</td>
<td>FS324</td>
<td>FS336</td>
<td>FS348</td>
<td>FS372</td>
<td>FS390</td>
</tr>
</tbody>
</table>

Technical Data

- Off/On recycling solid state flasher (continuous duty)
- Fixed at 75 flashes per min +/-10%
- Available from 60...150 flashes per min
- ON/OFF Ratio ≅ 50%

Input
- Input Voltage 12, 24, 36, 48, 72, and 110 V DC

Output
- Load Type Incandescent or resistive
- Maximum Load Rating 0.25...2.5 A steady state
- Inrush 10 times steady state current

Mechanical
- Mounting Surface mount with one #10 (M5 x 0.8) screw
- Surface mount with one #10 (M5 x 0.8) screw
- Package 2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
- Termination 0.25 in. (6.35 mm) male quick connect terminals

Protection
- Circuity Encapsulated

Environmental
- Operating/Storage Temperature -20°...+60°C / -40°...+85°C
- Humidity 95% relative; non-condensing
- Weight ±2.2 oz (62 g)
**Flasher - LED Lamps**

**FS400 Series**

**Solid State Flasher**

**Description**

The FS400 Series is a low leakage AC flasher designed to control LED, or resistive loads. This series offers a solid state output and may be ordered with an input voltage of 24 V to 240 V AC, in two ranges. It offers a factory fixed flash rate of 75 flashes per minute or may be ordered with a fixed custom flash rate ranging from 45 to 150 flashes per minute. The FS400 is the perfect solution for LED lamp flashing.

**Operation**

Upon application of input voltage, the output energizes and the ON time begins. At the end of the ON time, the output de-energizes and the OFF time begins. At the end of the OFF time, the output energizes and the cycle repeats as long as input voltage is applied.

**Reset:** Removing input voltage resets the output and the flash sequence.

**Connection**

<table>
<thead>
<tr>
<th>Connection</th>
<th><del>V</del></th>
<th>B</th>
<th>R</th>
<th>W</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>V = Voltage</td>
<td>L = Load</td>
<td>R = Red Wire</td>
<td>B = Black Wire</td>
<td>W = White Wire</td>
<td></td>
</tr>
</tbody>
</table>

**Function**

Flasher (ON First)

\[ V = \text{Voltage} \quad R = \text{Reset} \quad L = \text{Load} \]

\[ T1 = \text{ON Time} \quad T2 = \text{OFF Time} \]

ON time plus OFF time equals one complete flash.

**Mechanical View**

- Low Leakage for LED Lamps
- Fixed Flash Rate at 75 flashes per minute
- Custom Flash Rate 45 ... 150 FPM
- 0.5 or 1 A Solid State Output
- 24 V to 240 V AC in 2 Ranges
- Small Size: 1.5 x 0.94 in. (38 x 23.9 mm)

**Ordering Table**

<table>
<thead>
<tr>
<th>Input</th>
<th>Output Rating</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V AC ... 240 V AC</td>
<td>0.5 A</td>
<td>FS491</td>
</tr>
<tr>
<td>24 V AC</td>
<td>1 A</td>
<td>FS421</td>
</tr>
</tbody>
</table>

**Technical Data**

**Operation**

- Mode of Operation
- Flash Rate
- ON/OFF Ratio
- Custom Flash Rates Available

**Input**

- Voltage
- Tolerance
- Frequency

**Output**

- Load Type
- Output
- Maximum Load Rating
- Voltage Drop
- Maximum Load Leakage Current

**Mechanical**

- Mounting
- Package

**Protection**

- Surge
- Circuitry

**Environmental**

- Operating / Storage Temperature
- Humidity
- Weight

**Approvals:**

- UL
- CE

**Approvals:**

- Flasher - LED Lamps
- FS400 Series
- Solid State Flasher

**Connection Function**

\[ V = \text{Voltage} \quad L = \text{Load} \quad R = \text{Red Wire} \quad B = \text{Black Wire} \quad W = \text{White Wire} \]

\[ 
\begin{align*}
R, B, W & = 20 \text{ AWG (0.52 mm²) wires} \\
6 \text{ in. (15.2 cm)} & \\
\text{Mounting bracket is removable}
\end{align*}
\]

**Technical Data**

- ON/OFF solid state flasher for continuous duty
- Factory fixed at 75 flashes per minute +/-20%  
  \( \equiv 50\% \)
- From 45 ... 150 FPM +/-20%

- 24, or 120 ... 240 V AC  
  +/- 15%  
  50 ... 60 Hz

- LED or resistive
- Bridge Rectifier and FET
- 0.5 A steady state; 5 A Inrush  
  1 A steady state; 10 A Inrush
- 250 \( \mu \)A
- 2 V Typical

- Surface mount with one #8 (M4 x 0.7) screw  
  1.5 x 0.94 in. (38.1 x 23.9 mm)

- IEEE C62.41 - 1991 Level A
- Encapsulated

- -20°C ... +60°C / -40°C ... +85°C
- 95% relative, non-condensing  
  \( \equiv 1.1 \text{ oz (31 g)} \)
**Alternating Flasher**

**AF Series**

**Solid State Flasher**

---

**Description**

The AF Series offers a high inrush capacity of up to 200 A. These devices exceed mechanical type relays in both performance and lifespan. The AF Series is constructed with no moving parts to arc, wear, and eventually fail; 100 million operations are typical. Circuitry is encapsulated to provide protection against vibration and moisture, making the AF Series ideal for outdoor applications.

---

**Operation**

Upon application of input voltage T1 begins, Load 1 is ON and Load 2 is OFF. At the end of T1, T2 begins and Load 2 is now ON and Load 1 is OFF. At the end of T2, T1 repeats and this sequence continues until input voltage is removed. The duration of T1 and T2 is approximately equal.

**Reset:** Removing input voltage resets the flasher.

---

**Connection**

---

**Function**

---

**Ordering Table**

---

**Example P/N:** AF224 Custom Flash Rate - AF229-45

---

**Technical Data**

---

**Accessories**

---

See accessory pages for specifications.
Flasher - Relay Output
FS500 Series
Solid State Flasher

Description
The FS500 Series flash rate is adjustable from 10 to 100 flashes per minute. A locknut is provided to hold selected flash rate. The long-life electronic circuit combined with a quality electromechanical relay provides flexibility and reliability in most applications.

Operation
Upon application of input voltage, the output relay is energized and the ON time begins. At the end of the ON time, the output relay de-energizes and the OFF time begins. At the end of the OFF time, the output is energized and the cycle repeats as long as input voltage is applied.

Reset: Removing input voltage resets the output and the sequence.

Connection
Dashed lines are internal connections.

Function

Mechanical View

Ordering Table

<table>
<thead>
<tr>
<th>Input</th>
<th>CSA</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 V DC</td>
<td>*</td>
<td>FS512</td>
</tr>
<tr>
<td>24 V AC/DC</td>
<td>*</td>
<td>FS524</td>
</tr>
<tr>
<td>120 V AC/DC</td>
<td>*</td>
<td>FS590</td>
</tr>
<tr>
<td>230 V AC</td>
<td></td>
<td>FS599</td>
</tr>
</tbody>
</table>

Technical Data

Specifications
Mode of Operation
ON/OFF recycling flasher with adjustable flash rate
Adjustable from 10 ... 100 operations per minute (guaranteed range)

ON/OFF Ratio
Congruent

Input
Tolerance
12 V DC & 24 V DC/AC
120 ... 230 V AC/DC

Frequency
50 ... 60 Hz

Output
Type
Electromechanical relay DPDT

Rating
10 A resistive at 120/240 V AC & 28 V DC;
1/3 hp at 120/240 V AC

Mechanical
Mounting
Plug-in socket

Termination
8 pin Octal plug

Protection
Isolation Voltage
≥ 1500 V RMS input to output

Polarity
DC units are reverse polarity protected

Environmental
Operating/Storage Temperature
-20° ... +60°C / -30° ... +85°C

Weight
5.8 oz (164 g)
Chaser (Flasher)
SC3/SC4 Series
Timing Module

Description
The SC3/SC4 Series are solid state 3 or 4 channel chasers designed for sequential three or four circuit flashing of incandescent lamp loads. Unlike electromechanical chasers, there are no contacts to arc, wear, and eventually fail. Fixed or adjustable rates of 30 to 300 operations per minute.

Connection
SC4 shown; for SC3, terminal 6 & load L4 are eliminated. Dashed lines are internal connections.

Operation
Sequential 3 or 4 circuit flashing of incandescent loads with equal time delays for each load. Upon application of input voltage, Load 1 is energized. At the end of the time delay, Load 1 de-energizes and Load 2 energizes. At the end of the time delay, Load 2 de-energizes and Load 3 energizes. This cycle continues until input voltage is removed. Reset: Removing input voltage resets the unit and cycle.

Function
SC4 shown; SC3, L4 is eliminated and L1 TD begins as soon as L3 TD is completed.

Ordering Table
<table>
<thead>
<tr>
<th>X</th>
<th>Series</th>
<th>Input</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SC3 (3 outputs)</td>
<td>24, 120, or 230 V AC</td>
<td>Adjustable: 30 ... 300 operations per minute</td>
</tr>
<tr>
<td></td>
<td>SC4 (4 outputs)</td>
<td>24, 120, or 230 V AC</td>
<td>Fixed: 30 ... 300 operations per minute (+/-10%)</td>
</tr>
</tbody>
</table>

Example P/N: SC3120A, SC424F100

Technical Data
Specifications
Mode of Operation
Sequential 3 or 4 circuit flashing of incandescent lamp loads. Fixed or adjustable rates.

Rate
Adjustable: 30 ... 300 operations per minute
Fixed: 30 ... 300 operations per minute (+/-10%)

Input
Input Voltage
24, 120, or 230 V AC +/-15%

Frequency
50 ... 60 Hz

Output
Type
Solid state

Rating
1 A steady state per output

Mechanical
Mounting
Surface mount with two #6 (M3.5 x 0.6) screws

Termination
0.25 in. (6.35 mm) male quick connect terminals

Package
3.5 x 2.5 x 1.22 in. (88.9 x 63.5 x 31 mm)

Protection
Circuitry
Encapsulated

Dielectric Breakdown
≥ 2000 V RMS terminals to mounting surface

Insulation Resistance
≥ 100 MΩ

Environmental
Operating / Storage Temperature
-20°C ... +60°C / -40°C ... +85°C

Humidity
95% relative, non-condensing

Weight
≥ 5.4 oz (153 g)

See accessory pages for specifications.