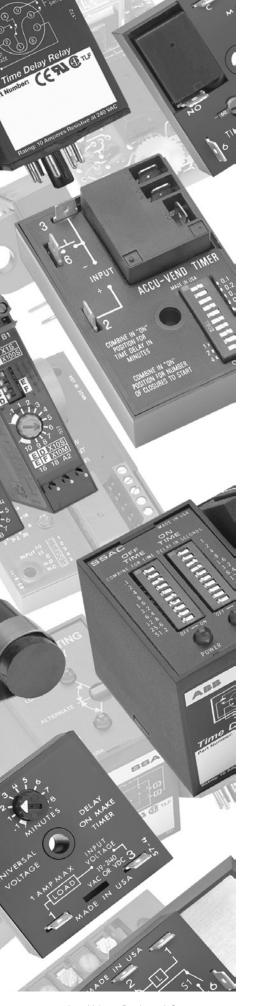
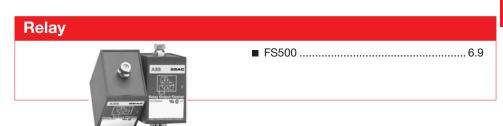
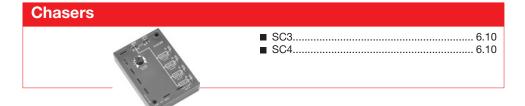


# **Flashers**



## 







# **Universal Flasher** FSU1000 Series Solid State Flasher







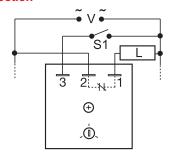
- All Solid State No Moving Parts or Contacts
- Onboard Adjustable Flash Rate
- Loads up to 20 A
- High Inrush Up to 200 A
- Universal Voltage -24 ... 240 V AC

Approvals: calus

## **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.

#### Connection



Dashed lines are internal connections.

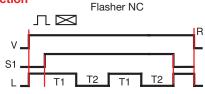
#### Operation

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

#### Optional Low Current Switch (S1)

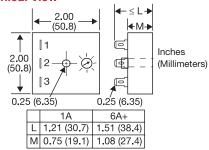
This low current switch could be a limit switch or contact. While open, the operator sees the load (lamp) ON and operating. When the limit switch closes, the load (lamp) flashes to attract attention.

## **Function**



V = Voltage S1 = Initiate Switch L = Load R = Reset T1 = ON Time T2 = OFF Time  $T1 \cong T2$ 

#### **Mechanical View**



## **Ordering Table**

Inrush Rating	Rating_	Part Number
10 A	1 A	FSU1000
60 A	6 A	FSU1003
100 A	10 A	FSU1004
200 A	20 A	FSU1005

## Te

0 F 0

Input

Range/Frequency

Output

Load Type

Maximum Load Rating

Inrush

Mechanical

Circuitry

Weight

**Environmental** 

**Operating Temperature** 

Storage Temperature

P1015-64 (AWG 14/16) Mounting \* P1015-14 (AWG 18/22) Termination

**Protection** 



**Accessories** 

Quick connect to screw adaptor P/N: P1015-18

Female quick connect

P1015-13 (AWG 10/12)

P/Ns:

See accessory pages for specifications.

	_0,	
Technical Data		
Operation		ON/OFF recycling solid state flasher (continuous duty)
Flash Rate		Adjustable 10 100 FPM
ON/OFF Ratio		≅ 50%

24 ... 240 V AC/ 50 ... 60 Hz

Inductive, resistive, or incandescent 1, 6, 10, or 20 A steady state 10 times steady state current

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

## Encapsulated

-20°C ... +60°C (240 V AC +50°C)

-40°C ... +85°C

1 A units: ≅ 2.4 oz (68 g)  $\geq$  6 A units:  $\cong$  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.

01.24.05 FSU11B01

## Flasher - Low Cost FS100 Series Solid State Flasher







- Fixed Flash Rate at 75 Flashes Per Minute
- Custom Flash Rate 45 ... 150 F.P.M.
- 1 or 2 A Output
- 24 or 120 V AC are Available
- Small Size: 1.5 x 0.94 in. (38 x 23.9 mm)

Approvals: 📆

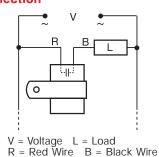




## Description

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.

## Connection

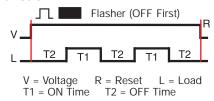


#### Operation

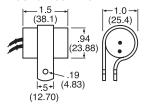
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed.

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

#### **Function**



## **Mechanical View**



Inches (Millimeters)

## **Ordering Table**

<u>Input</u>	<b>Output Rating</b>	<b>Output Type</b>	Load Type *	Part Number
120 V AC	1 A	AC, Fullwave	Α	FS126
120 V AC	1 A	AC, Fullwave	В	FS126RC
120 V AC	2 A	AC, Halfwave	Α	FS127
24 V AC	1 A	AC, Fullwave	Α	FS146
24 V AC	1 A	AC, Fullwave	В	FS146RC
24 V AC	2 A	AC, Halfwave	Α	FS147

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

#### Technical Data Specifications OFF/ON solid state flasher for continuous duty Mode of Operation Factory fixed at 75 flashes per minute +/-20% Flash Rate Custom Flash Rates Available From 45 ... 150 FPM +/-20% ON/OFF Ratio Input Voltage 24, 120 V AC, +/-15%, 50 ... 60 Hz Output Output Fullwave AC or Halfwave rectified AC Load Type Incandescent, resistive, or inductive, (Choose RC Suffix for inductive loads) Fullwave: 1A steady state; Halfwave: 2 A steady state Maximum Load Rating Inrush Mechanical Mounting Removable mounting bracket, use one #8 (M4 x 0.7) screw Connection/Wires 18 AWG (0.82mm<sup>2</sup>) wires 6 in. (15.2cm) 1.5 x 0.94 in. (38.1 x 23.9 mm) Package **Protection** Circuitry Encapsulated **Environmental** Operating/Storage Temperature -20°C ... +60°C/-40°C ... +85°C Humidity 95% relative, non-condensing

 $\cong$  1.1 oz (31 g)

Low Voltage Products & Systems

FS101B01

05.03.04

6.3

Weight



# Flasher - Medium/High Power FS100 Series

# Solid State Flasher







- Fixed at 90 Flashes per Minute
- Custom Flash Rate 10 ... 300 F.P.M.
- Switches Inrush Currents up to 30 A
- 24, 120, or 230 V AC Input Voltages
- Totally Solid State--Encapsulated

Approvals:





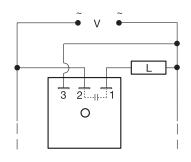
## **Description**

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.

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.

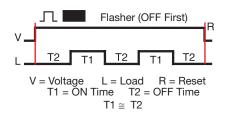
## Connection

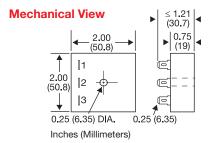


Dashed lines are internal connections.

## **Function**

**Operation** 





## **Accessories**



Female quick connect

P1015-64 (AWG 14/16)



Quick connect to screw adaptor P/N: P1015-18



Mounting bracket P/N: P1023-6



See accessory pages for specifications.

## **Ordering Table**

Input	Rating	Part Number
24 V AC	3 A	FS143
120 V AC	3 A	FS152
230 V AC	3 A	FS162

## **Technical Data**

Operation Flash Rate Custom Flash Rates ON/OFF Ratio

Input

Input Voltage

Output

Load Type Output

Maximum Load Rating

Inrush

Mechanical

Mounting Package Termination

**Protection** 

Circuitry

**Environmental** 

Operating/Storage Temperature Weight

OFF/ON solid state flasher for continuous duty Factory fixed at 90 flashes per minute +/-10% Available from 10 ... 300 FPM +/-10%

24, 120, or 230 V AC., +/-15%, 50 ... 60 Hz

Inductive, resistive, or incandescent Fullwave AC, solid state, SPST 3 A steady state 10 times steady state current

Surface mount with one #10 (M5 x 0.8) screw 2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm) 0.25 in. (6 .35 mm) male quick connect terminals

Encapsulated

-20°... +60°C / -40°... +85°C  $\cong$  2.2 oz (62 g)

06.07.04 FSMH1B01

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## **DC** Flasher

# FS200 Series

## Solid State Flasher





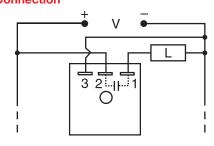


- Fixed at 90 Flashes per Minute
- Custom Flash Rate 10 ... 180 F.P.M.
- 3 A SPST Output
- 12 ... 110 V DC Input Voltages in 5 Ranges
- Totally Solid State--Encapsulated
- 0.25 in. (6.35 mm) Male **Quick Connects**

## **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.

## Connection



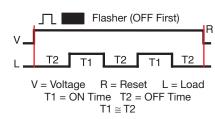
Dashed lines are internal connections.

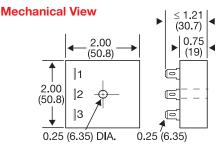
## Operation

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**





Inches (Millimeters)

# **Accessories**



Female quick connect P/N· P1015-64 (AWG 14/16)



Quick connect to screw adaptor P/N: **P1015-18** 



Mounting bracket P/N: **P1023-6** 



See accessory pages for specifications.

## **Ordering Table**

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

## **Technical Data**

Operation Flash Rate Custom Flash Rate ON/OFF Ratio

Input

Input Voltage

**Output** Load Type

Maximum Load Rating OFF State Leakage Current

12 & 24 V DC

## Inrush

## Mechanical

Mounting Package Termination

## Protection Circuitry

Weight

**Environmental Operating Temperature** Storage Temperature

OFF/ON solid state flasher for continuous duty Factory Fixed at 90 flashes per minute +/-10% Available from 10 ... 180 flashes per minute ≅ 50%

12, 24, 36, 48, or 110 V DC

Inductive, resistive, or incandescent 0.25 ... 3 A steady state

≤ 250 μA

10 times steady state current

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

## Encapsulated

-20°C ... +60°C -40°C ... +85°C  $\cong$  2.2 oz (62 g)

06.29.04 Low Voltage Products & Systems

P/N: P1023-20

-S201B01



# **DC Flasher** FS300 Series Solid State Flasher



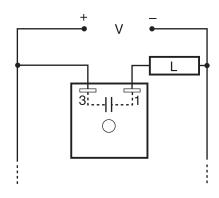


- Totally Solid State No Mechanical Contacts to Arc and Wear
- High Surge Capability Designed to Operate Incandescent Lamp Loads
- High Noise and Transient Protection
- Two-Terminal Series Connection
- Encapsulated Protects Against Shock, Vibration, and Humidity

#### **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



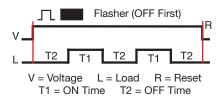
Note: Load may be in positive side

#### Operation

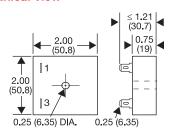
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed.

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

## **Function**



## **Mechanical View**



Inches (Millimeters)

# **Accessories**



Female guick connect P1015-64 (AWG 14/16)



Quick connect to screw adaptor P/N: P1015-18



Mounting bracket P/N: **P1023-6** 



See accessory pages for specifications.

## **Ordering Table**

Input	Maximum Load Current	Part Number
12 V DC +/-20%	2.5 A	FS312
24 V DC +/-20%	1.5 A	FS324
36 V DC +/-20%	1.0 A	FS336
48 V DC +/-15%	0.75 A	FS348
72 V DC +/-15%	0.5 A	FS372
110 V DC +/-15%	0.25 A	FS390

## **Technical Data Specifications**

Mode	of.	$\cap$ r	oroti
MOGE	ΟI	O.	oei au

on Flash Rate Custom Flash Rates ON/OFF Ratio

Input Input Voltage

Output Load Type

Maximum Load Rating Inrush

Mechanical

Mounting Package Termination **Protection** 

Circuitry

**Environmental** Operating/Storage Temperature Humidity

Weight

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

12, 24, 36, 48, 72, and 110 V DC

Incandescent or resistive 0.25 ... 2.5 A steady state 10 times steady state current

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

## Encapsulated

-20°... +60°C / -40°... +85°C 95% relative; non-condensing  $\approx$  2.2 oz (62 g)

05.03.04 -S301B01

# Flasher - LED Lamps FS400 Series

## Solid State Flasher









- Low Leakage for LED Lamps
- Fixed Flash Rate at 75 Flashes Per Minute
- Custom Flash Rate 45 ...
- 150 F.P.M.
- 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)

Approvals:

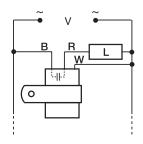




#### **Description**

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.

#### Connection



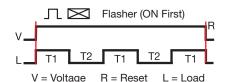
V = Voltage L = LoadR = Red Wire B = Black Wire W= White Wire

#### 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.

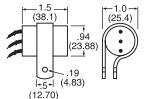
#### **Function**



T1 = ON Time  $T2 = OFF Time T1 \cong T2$ 

ON time plus OFF time equals one complete flash.

#### **Mechanical View**



Inches (Millimeters)

R, B, W = 20 AWG  $(0.52 \text{ mm}^2)$  wires 6 in. (15.2 cm)

Mounting bracket is removable

## **Ordering Table**

Input	Output Rating	Part Number
120 V AC 240 V AC	0.5 A	FS491
24 V AC	1 A	FS421

## **Technical Data**

## Operation

Mode of Operation

Flash Rate ON/OFF Ratio

Custom Flash Rates Available

## Input

## Voltage

Tolerance

Frequency

#### Output

Load Type

Output

120 V AC...240 V AC Maximum Load Rating

24 V AC

Max. Load Leakage Current

Voltage Drop

## Mechanical

Mounting

Package **Protection** 

Surge

Circuitry

**Environmental** Operating / Storage Temperature

Humidity Weight

ON/OFF solid state flasher for continuous duty Factory fixed at 75 flashes per minute +/-20%

≅ 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

1A steady state; 10 A Inrush

250 μΑ

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

 $\approx$  1.1 oz (31 g)

FS401B01 02.10.05

# Flashers

# **Alternating Flasher**

# AF Series

## Solid State Flasher



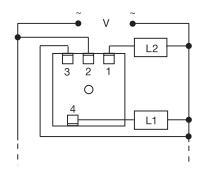


- Alternately Flashes Two High Current Loads
- High Surge Capacity -- Up to 200 A
- Small Size -- 2 x 2 x 1.30 in. (50.8 x 50.8 x 33 mm)
- Totally Solid State & Encapsulated

## **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.

## Connection

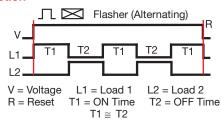


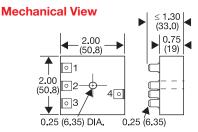
## **Operation**

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.

## **Function**





Inches (Millimeters)

## **Ordering Table**

ΑF Series **Output Rating** Flash Rate (flashes per min.) Input -1 - 24 V AC -**1** - **6** A -2 - 120 V AC -2 - 10 A **-2** - 30 -3 - 20 A **-3** - 60 -3 - 230 V AC **-4** - 90 **-5** - 120 **-6** - 140 Example P/N: AF224 Custom Flash Rate - AF229-45 -9 - \_ \_ \_ Custom Flash Rate

# Accessories



Female quick connect P/Ns: P1015-13 (AWG 10/12)

P1015-64 (AWG 14/16) P1015-14 (AWG 18/22)



Quick connect to screw adaptor P/N: **P1015-18** 

See accessory pages for specifications.

Technical Data	
Operation Flash Rate	Alternating solid state flasher rated for continuous duty Factory fixed at 10, 30, 60, 90, 120, or 140 flashes per min. +/-10%.
Custom Flash Rate Ratio	Specify as any number between 10 & 140, inclusive ≅ 50%
Input	
Input Voltage, Frequency	24, 120, or 230 V AC +/-15%, 50 60 Hz
Output Load Type Maximum Load Rating Inrush	Incandescent or resistive 6, 10, & 20 A steady state 10 times steady state current
Mechanical Mounting * Package	Surface mount with one #10 (M5 x 0.8) screw 2 x 2 x 1.30 in. (50.8 x 50.8 x 33 mm)
Protection Circuitry	Encapsulated
Environmental Operating / Storage Temperature Humidity Weight	-20°C +60°C / -40°C +85°C 95% relative, non-condensing ≅ 2.9 oz (82 g)

\*Must be bolted to metal surface using the included heat sink compound. The maximum mounting surface temperature is 90°C.

AF001B01 06.10.04

# Flasher - Relay Output

# FS500 Series

## Solid State Flasher







- Solid State Circuitry--Relay Output
- Industrial Standard Octal Plug-in
- Adjustable Flash Rate 10 ... 100 FPM
- 10 A DPDT Output Contacts

Approvals:



(some models)

## **Accessories**



Panel mount kit P/N: **BZ1** 



Octal 8-pin socket P/N: **NDS-8** 



Hold down clips P/N: PSC8

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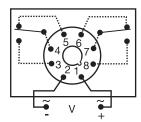


See accessory pages for specifications.

## **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.

## Connection



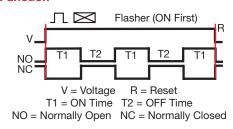
Dashed lines are internal connections.

## Operation

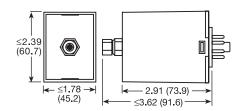
Upon application of input voltage, the output relay is energized and the ON time begins. At the end of the ON time, the output relay de-energizes and the OFF time begins. At the end of the OFF time, the output is energized and the cycle repeats as long as input voltage is applied.

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

## **Function**



## **Mechanical View**



Inches (Millimeters)

## **Ordering Table**

Input	CSA	Part Number
12 V DC	*	FS512
24 V AC/DC	*	FS524
120 V AC/DC	*	FS590
230 V AC		FS599

#### **Technical Data**

## **Specifications**

Mode of Operation

Flash Rate

ON/OFF Ratio

## Input

Input Voltage

Tolerance 12 V DC & 24 V DC/AC

120 ... 230 V AC/DC

## Frequency

#### Output

Rating

Type

## Mechanical

Mounting

## Termination

**Protection** Isolation Voltage

Polarity

#### **Environmental**

Operating/Storage Temperature

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

 $\cong 50\%$ 

12 V DC, 24 V AC/DC, 120 V AC/DC, 230 V AC

-15% ... +20%

-20% ... +10% 50 ... 60 Hz

Electromechanical relay DPDT

10 A resistive at 120/240 V AC & 28 V DC;

1/3 hp at 120/240 V AC

Plug-in socket 8 pin Octal plug

≥ 1500 V RMS input to output DC units are reverse polarity protected

-20°... +60°C / -30° ... +85°C

 $\approx 5.8 \text{ oz } (164 \text{ g})$ 

07.01.04

FS501B01



# **Chaser (Flasher)** SC3/SC4 Series **Timing Module**





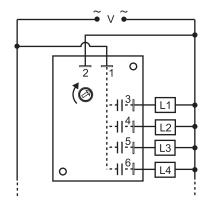
- Sequential 3 or 4 Circuit Flashing of Incandescent Loads
- Fixed or Adjustable Flash Rates - 30 ... 300 per m
- 1 A Steady State Output
- 24, 120, or 230 V AC Input Voltage
- Totally Solid State and Encapsulated

Approvals: CALUS

## 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.

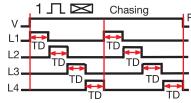
Dashed lines are internal connections.

## **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.

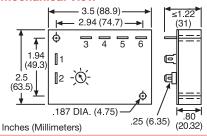
#### **Function**



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

V = Voltage R = Reset L (1...4) = Lamps TD = Time Delay (all are equal)

#### **Mechanical View**



## **Ordering Table**

Series Input - SC3 (3 outputs) 24 - 24 V AC SC4 (4 outputs) 120 - 120 V AC -230 - 230 V AC

Example P/N: SC3120A, SC424F100

Rate -A - Adjustable (30 ... 300) F - Fixed '

\*If Fixed is selected, insert [30 ... 300] operations per minute.

## **Accessories**



Female quick connect P/Ns: P1015-13 (AWG 10/12) P1015-64 (AWG 14/16) P1015-14 (AWG 18/22)



Quick connect to screw adaptor P/N: P1015-18

See accessory pages for specifications.

#### **Technical Data** Specifications Mode of Operation

Rate

## Input

Input Voltage Frequency

#### Output Type

Rating

## Mechanical

Mounting Termination Package

## **Protection**

Circuitry

Weight

Dielectric Breakdown Insulation Resistance

**Environmental** Operating / Storage Temperature Humidity

Sequential 3 or 4 circuit flashing of incandescent lamp loads. Fixed or adjustable rates.

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

24, 120, or 230 V AC +/-15% 50 ... 60 Hz

## Solid state

1 A steady state per output

Surface mount with two #6 (M3.5 x 0.6) screws 0.25 in. (6.35 mm) male quick connect terminals 3.5 x 2.5 x 1.22 in. (88.9 x 63.5 x 31 mm)

## Encapsulated

≥ 2000 V RMS terminals to mounting surface

 $\geq$  100 M $\Omega$ 

-20°C ... +60°C / -40°C ... +85°C 95% relative, non-condensing  $\approx$  5.4 oz (153 g)

05.03.04