

Flasher - Low Cost

FS100 Series

Solid State Flasher

Flashers



10 YEAR WARRANTY

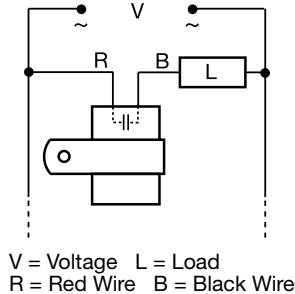
- Fixed Flash Rate at 75 Flashes Per Minute
- Custom Flash Rate 45 ... 150 F.P.M.
- 1 or 2 A Output
- 24 or 120 V AC are Available
- Small Size: 1.5 x 0.94 in. (38 x 23.9 mm)

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

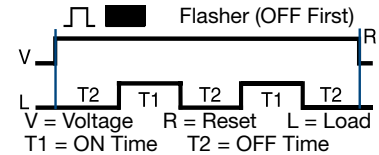


Operation

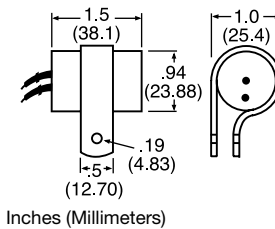
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed.

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

Function



Mechanical View



Available Models-

•FS126	FS126-45	FS126-60
•FS126RC	FS126RC-45	FS126RC-90
•FS127	•FS146	•FS146RC
FS147		

Don't see what you need? Call us for a minimum quantity and price quote!

Ordering Table

Input	Output Rating	Output Type	Load Type *	Part Number
120 V AC	1 A	AC, Fullwave	A	FS126
120 V AC	1 A	AC, Fullwave	B	FS126RC
120 V AC	2 A	AC, Halfwave	A	FS127
24 V AC	1 A	AC, Fullwave	A	FS146
24 V AC	1 A	AC, Fullwave	B	FS146RC
24 V AC	2 A	AC, Halfwave	A	FS147

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

Technical Data

Specifications

Mode of Operation

Flash Rate

Custom Flash Rates Available

ON/OFF Ratio

Input

Voltage

Output

Output

Load Type

Maximum Load Rating

Inrush

Mechanical

Mounting

Connection/Wires

Package

Protection

Circuitry

Environmental

Operating/Storage Temperature

Humidity

Weight

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

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

Fullwave AC or Halfwave rectified AC
Incandescent, resistive, or inductive,
(Choose RC Suffix for inductive loads)
Fullwave: 1A steady state; Halfwave: 2 A steady state
10 A

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)

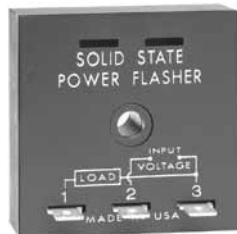
Encapsulated

-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



10 YEAR WARRANTY

- 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:

Accessories



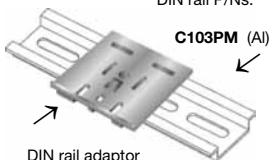
Female quick connect
P/N: **P1015-64** (AWG 14/16)



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



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



DIN rail P/Ns:

C103PM (Al)

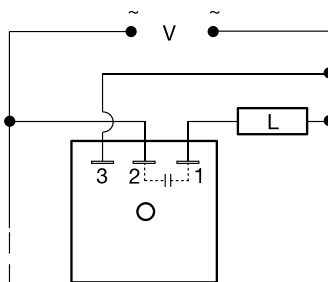
DIN rail adaptor
P/N: **P1023-20**

See accessory pages for specifications.

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.

Connection



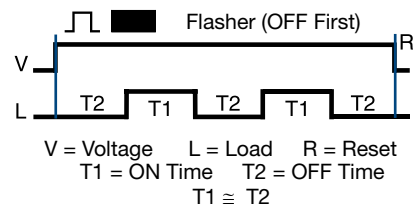
Dashed lines are internal connections.

Operation

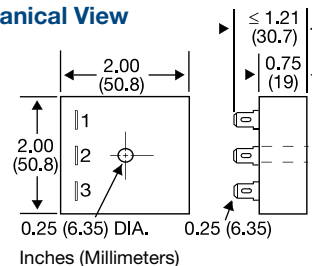
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Reset: Removing input voltage resets the output and the sequence to T2.

Function



Mechanical View



Available Models-

FS143
FS152-50
FS162-30

•FS152
FS152-60

FS152-30
FS162

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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	OFF/ON solid state flasher for continuous duty
Flash Rate	Factory fixed at 90 flashes per minute $\pm$ 10%
Custom Flash Rates	Available from 10 ... 300 FPM $\pm$ 10%
ON/OFF Ratio	$\approx$ 50%
Input	
Input Voltage	24, 120, or 230 V AC., $\pm$ 15%, 50 ... 60 Hz
Output	
Load Type	Inductive, resistive, or incandescent
Output	Fullwave AC, solid state, SPST
Maximum Load Rating	3 A steady state
Inrush	10 times steady state current
Mechanical	
Mounting	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	
Circuitry	Encapsulated
Environmental	
Operating/Storage Temperature	-20°... +60°C / -40°... +85°C
Weight	$\approx$ 2.2 oz (62 g)