



Flasher - Low Cost

FS100 Series

Solid State Flasher



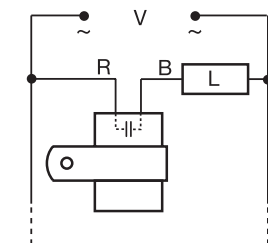
- Fixed Flash Rate at 75 Flashes Per Minute
- Custom Flash Rate 45 ... 150 F.P.M.
- 1 or 2 A Output
- 24 or 120 V AC are Available
- Small Size: 1.5 x 0.94 in. (38 x 23.9 mm)

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



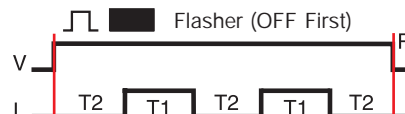
V = Voltage L = Load
R = Red Wire B = Black Wire

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.

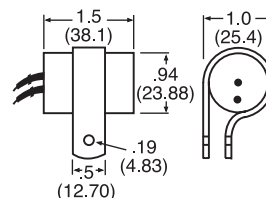
Reset: Removing input voltage resets the output and the sequence to T2.

Function



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

Mechanical View



Inches (Millimeters)

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

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)
Maximum Load Rating Fullwave: 1A steady state; Halfwave: 2 A steady state
Inrush 10 A

Mechanical

Mounting Removable mounting bracket, use one #8 (M4 x 0.7) screw
Connection/Wires 18 AWG (0.82mm²) wires 6 in. (15.2cm)
Package 1.5 x 0.94 in. (38.1 x 23.9 mm)

Protection

Circuitry Encapsulated

Environmental

Operating/Storage Temperature -20°C ... +60°C/-40°C ... +85°C
Humidity 95% relative, non-condensing
Weight ≅ 1.1 oz (31 g)