

Flasher - Low Cost

FS100 Series

Solid State Flasher

Flashers



TEN YEAR WARRANTY

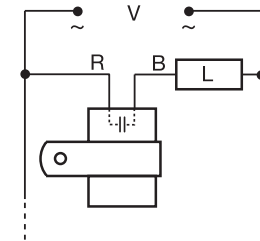
- Fixed Flash Rate at 75 Flashes Per Minute
- Custom Flash Rate 45 ... 150 F.P.M.
- 1 or 2 A Output
- 24 or 120 V AC are Available
- Small Size: 1.5 x 0.94 in. (38 x 23.9 mm)

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



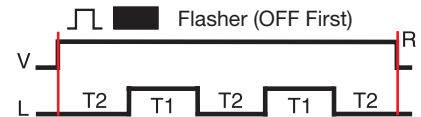
V = Voltage L = Load
R = Red Wire B = Black Wire

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.

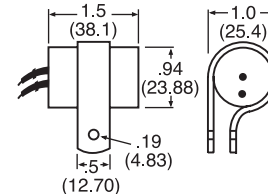
Reset: Removing input voltage resets the output and the sequence to T2.

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
Flash Rate
Custom Flash Rates Available
ON/OFF Ratio

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

Input

Voltage

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

Output

Output
Load Type

Fullwave AC or Halfwave rectified AC
Incandescent, resistive, or inductive,
(Choose RC Suffix for inductive loads)

Maximum Load Rating
Inrush

Fullwave: 1A steady state; Halfwave: 2 A steady state
10 A

Mechanical

Mounting
Connection/Wires
Package

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

Circuitry

Encapsulated

Environmental

Operating/Storage Temperature
Humidity
Weight

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

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