

Universal Flasher FSU1000 Series Solid State Flasher



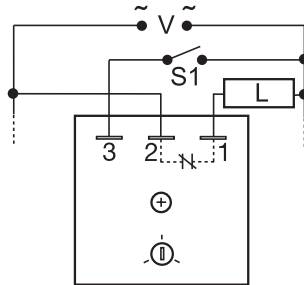
- All Solid State – No Moving Parts or Contacts
- Onboard Adjustable Flash Rate
- Loads up to 20 A
- High Inrush – Up to 200 A
- Universal Voltage – 24 ... 240 V AC

Approvals: us

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.

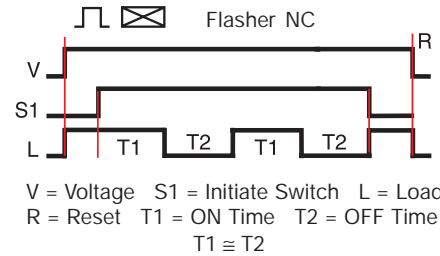
Operation

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 flashes.

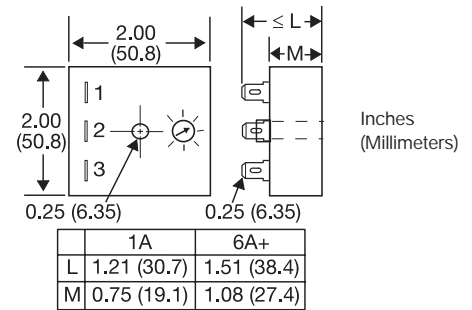
Optional Low Current Switch (S1)

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.

Function



Mechanical View



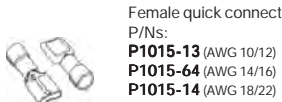
Ordering Table

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

Technical Data	
Operation	ON/OFF recycling solid state flasher (continuous duty)
Flash Rate	Adjustable 10 ... 100 FPM
ON/OFF Ratio	≅ 50%
Input	
Range/Frequency	24 ... 240 V AC/ 50 ... 60 Hz
Output	
Load Type	Inductive, resistive, or incandescent
Maximum Load Rating	1, 6, 10, or 20 A steady state
Inrush	10 times steady state current
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.

Accessories



See accessory pages for specifications.