

# Flasher - Medium/High Power

## FS100 Series

### Solid State Flasher



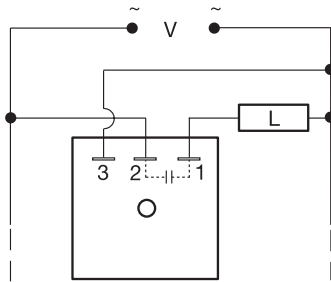
- Fixed at 90 Flashes per Minute
- Custom Flash Rate 10 ... 300 F.P.M.
- Switches Inrush Currents up to 30 A
- 24, 120, or 230 V AC Input Voltages
- Totally Solid State-- Encapsulated

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.

### Connection



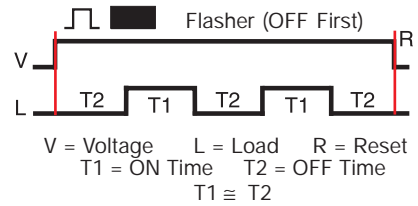
Dashed lines are internal connections.

### Operation

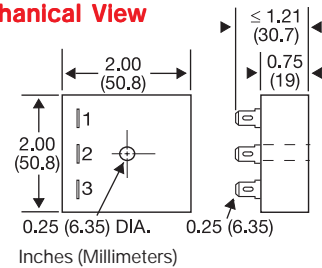
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed.

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

### Function



### Mechanical View



### 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: OFF/ON solid state flasher for continuous duty  
 Custom Flash Rates: Factory fixed at 90 flashes per minute +/-10%  
 ON/OFF Ratio: Available from 10 ... 300 FPM +/-10%  
 ≅ 50%

### Input

Input Voltage: 24, 120, or 230 V AC., +/-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: ≅ 2.2 oz (62 g)

### 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:  
**017322005** (Steel)  
**C103PM** (Al)

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

See accessory pages for specifications.