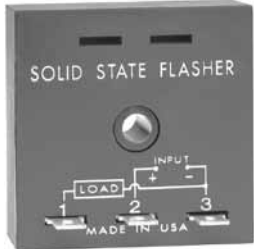


# DC Flasher

## FS200 Series

### Solid State Flasher

Flashers



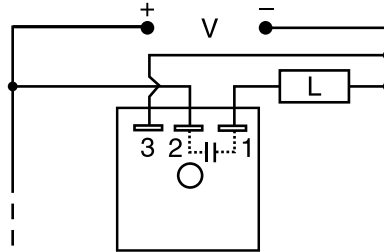
TEN YEAR WARRANTY

- Fixed at 90 Flashes per Minute
- Custom Flash Rate 10 ... 180 F.P.M.
- 3 A SPST Output
- 12 ... 110 V DC Input Voltages in 5 Ranges
- Totally Solid State-- Encapsulated
- 0.25 in. (6.35 mm) Male Quick Connects

#### Description

The FS200 Series may be used to control inductive, incandescent, or resistive loads. Input voltages of 12, 24, 36, 48, or 110 V DC 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 180 flashes per minute. Encapsulation provides protection against shock, vibration, and humidity. Uniform performance, high inrush current capability, and low RFI, make this series ideal for general industrial applications.

#### Connection



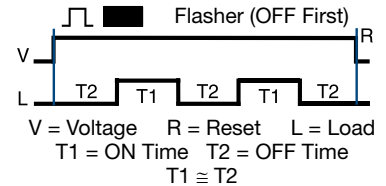
Dashed lines are internal connections.

#### Operation

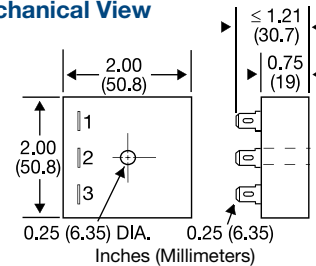
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed.

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

#### Function



#### Mechanical View



#### Available Models-

FS219  
•FS224

FS219-45  
FS224-75

FS219-60

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

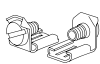
#### Ordering Table

Input	Rating	Package	Part Number
12 V DC +/-20%	3 A	Quick Connect	FS219
24 V DC +/-20%	3 A	Quick Connect	FS224
36 V DC +/-20%	1 A	Quick Connect	FS236
48 V DC +/-15%	0.75 A	Quick Connect	FS248
110 V DC +/-15%	0.25 A	Quick Connect	FS290

#### Accessories



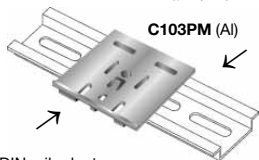
Female quick connect  
P/N: **P1015-64** (AWG 14/16)



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



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



DIN rail P/N's

**C103PM** (Al)

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

See accessory pages for specifications.

#### Technical Data

##### Operation

Flash Rate

Custom Flash Rate

ON/OFF Ratio

##### Input

Input Voltage

##### Output

Load Type

Maximum Load Rating

OFF State Leakage Current

12 & 24 V DC

Inrush

##### Mechanical

Mounting

Package

Termination

##### Protection

Circuitry

##### Environmental

Operating Temperature

Storage Temperature

Weight

OFF/ON solid state flasher for continuous duty  
Factory Fixed at 90 flashes per minute +/-10%  
Available from 10 ... 180 flashes per minute  
≅ 50%

12, 24, 36, 48, or 110 V DC

Inductive, resistive, or incandescent  
0.25 ... 3 A steady state

≤ 250 μA  
10 times steady state current

Surface mount with one #10 (M5 x 0.8) screw  
2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)  
0.25 in. (6.35 mm) male quick connect terminals

Encapsulated

-20°C ... +60°C  
-40°C ... +85°C  
≅ 2.2 oz (62 g)

FS201B01 09.10