

Flasher - Medium/High Power

FS100 Series

Solid State Flasher



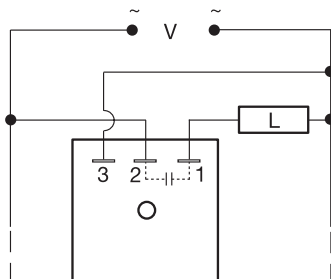
- Fixed at 90 Flashes per Minute
- Custom Flash Rate 10 ... 300 F.P.M.
- Switches Inrush Currents up to 30 A
- 24, 120, or 230 V AC Input Voltages
- Totally Solid State-- Encapsulated

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



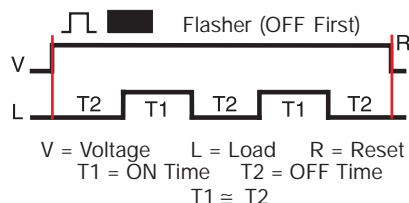
Dashed lines are internal connections.

Operation

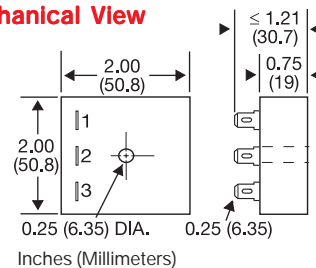
Upon application of input voltage, the T2 OFF time begins. At the end of the OFF time, the T1 ON time begins and the load energizes. At the end of T1, T2 begins and the load de-energizes. This cycle repeats until input voltage is removed.

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



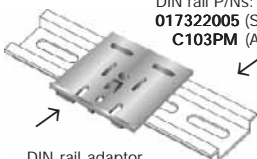
Female quick connect
P/N: **P1015-64** (AWG 14/16)



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.