FS100 SERIES

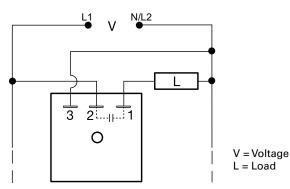
Medium Power Flasher



Answers Delivered



Wiring Diagram



Ordering Information

MODEL	INPUT	FLASH RATE
FS143	24VAC	90 FPM
FS152	120VAC	90 FPM
FS152-30	120VAC	30 FPM
FS152-60	120VAC	60 FPM
FS162	230VAC	90 FPM
FS162-30	230VAC	30 FPM

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Description

The FS100 Series (medium power) may be used to control inductive, incandescent, or resistive loads. Input voltages of 24, 120, or 230VAC are available. Fixed flash rates in stock range from 30, 50, 60, and 90 FPM, with custom flash rates ranging from 10 to 300 FPM. Encapsulation provides protection against shock, vibration, and humidity. This group of solid-state flashers has proven reliability with years of use throughout the world.

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.

Features & Benefits

FEATURES	BENEFITS
3A steady, 30A inrush current	Provides direct control of inductive, incandescent, or resistive loads
Totally solid state and encapsulated	No moving parts to arc and wear out over time and encapsulated to protect against shock, vibration, and humidity

Accessories



P1023-6 Mounting bracket

The 90° orientation of mounting slots makes installation/removal of modules quick and easy.



Female Quick Connect

P1015-64 (AWG 14/16)

These 0.25 in. (6.35 mm) female terminals are constructed with an insulator barrel to provide strain relief.



P1015-18 Quick Connect to Screw Adapter Screw adapter terminal designed for use with all modules with 0.25 in. (6.35 mm) male quick connect terminals.

C103PM (AL) DIN Rail 35 mm aluminum DIN rail available in a 36 in. (91.4 cm) length.



P1023-20 DIN Rail Adapter Allows module to be mounted on a 35 mm DIN type rail with two #10 screws.

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Flashers and Tower Lighting Controls Flashers



Specifications

FS100 SERIES

Technical Data Operation Flash Rate Custom Flash Rates ON/OFF Ratio Input Voltage/Frequency Output Load Type Output Maximum Load Rating Inrush Mechanical Mounting Dimensions

Termination

Protection

Circuitry Environmental Operating/Storage Temperature Weight OFF/ON solid-state flasher (continuous duty) Fixed at 90 FPM \pm 10% 10 - 300 FPM \pm 10% \cong 50%

24, 120, or 230VAC ±15% / 50/60 Hz

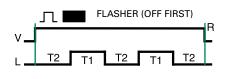
Inductive, resistive, or incandescent Fullwave AC, solid state, SPST 3A steady state 10 times steady state current

Surface mount with one #10 (M5 x 0.8) screw H 50.8 mm (2"); W 50.8 mm (2"); D 30.7 mm (1.21") 0.25 in. (6 .35 mm) male quick connect terminals

Encapsulated

-20° to 60°C / -40° to 85°C ≅ 2.2 oz (62 g)

Flasher Function Diagram



V = VoltageR = Reset L = Load T1 = ONTime T2 = OFFTime T1 \cong T2

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