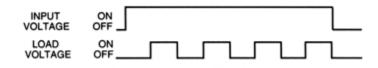


DFS Series Solid State AC and DC Flashers	 100% solid state circuitry - no moving parts Zero AC voltage switching - no RFI 3 ampere and 12 ampere models available Suitable for incandescent and inductive loads Fixed flash rate from 1 to 1000 FPM Duty cycle 50% UL File pending CSA File pending
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Timing Mode:

On/off recycling solid state flasher. Flash rates are fixed and are available from 1 to 1000 flashes per minute (FPM). Duty cycle is 50%; other duty cycles available.

Timing Diagram:



Output Circuit:

Solid state switching device. Current rating 3 amperes and 12 amperes (see chart). Inrush current rating 10 times steady state value. Expected Life @ 25°C: indefinite, no moving parts to wear out.

Environmental Information:

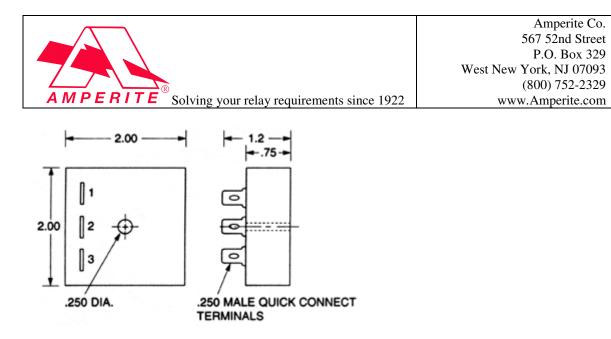
Operating & storage temperature range: -23° C to $+60^{\circ}$ C, $(-10^{\circ}$ F to $+140^{\circ}$ F).

Mechanical Information:

Termination: 0.250 quick connect male terminals.

Enclosure: $2 \times 2 \times 3/4$ inch black plastic case, epoxy sealed. Center hole mounting. 12 ampere units must be mounted to a suitable heat sink for proper heat dissipation.

Outline Dimensions:



Amperite Co.

P.O. Box 329

Timing Specifications: Standard flash rates: 30, 45, 60, 75, 90 and 120 FPM. Custom flash rates are available.

Input Voltages:

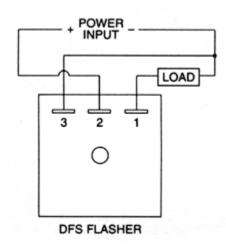
12, 24, 48,120, and 240 volts 60 Hz AC; 12, 24, 36, 48, and 110 volts DC. See chart. Custom

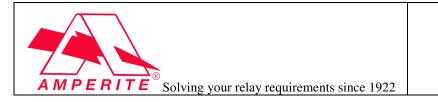
voltages are available.

Input Voltage Limits:

+/- 10% of nominal.

Wiring Diagrams:





Ordering Information:

Refer to model chart below. Select appropriate model number in accordance with the power input and load current required, and specify desired flash rate in flashes per minute (FPM). Note: Custom voltages and flash rates are available; consult factory.

MODEL	VOLTAGE	CURRENT	MODEL	VOLTAGE	CURRENT
DFS123	12V AC	3 AMPERES	DFS219	12V DC	3 AMPERES
DFS124	12V AC	12 AMPERES	DFS220	12V DC	12 AMPERES
DFS143	24V AC	3 AMPERES	DFS224	24V DC	3 AMPERES
DFS144	24V AC	12 AMPERES	DFS225	24V DC	12 AMPERES
DFS152	120V AC	3 AMPERES	DFS236	36V DC	3 AMPERES
DFS154	120V AC	12 AMPERES	DFS237	36V DC	12 AMPERES
DFS162	230V AC	3 AMPERES	DFS248	4BV DC	3 AMPERES
DFS163	230V AC	12 AMPERES	DFS249	4BV DC	12 AMPERES
DFS164	110-230V AC	3 AMPERES	DFS290	110V DC	0.5 AMPERES
DFS166	110-230V AC	12 AMPERES	DFS291	110V DC	2 AMPERES

Example:

<u>DFS152 - 60</u> denotes 120 volt AC power, 3 ampere load rating, 60 FPM. MODEL - FPM

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