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FS500 SERIES

*(some models)





8-PIN

Description

The FS500 Series flash rate is adjustable from 10 to 100 FPM. A locknut is provided to hold selected flash rate. The long-life electronic circuit combined with a quality electromechanical relay provides flexibility and reliability in most applications.

Operation

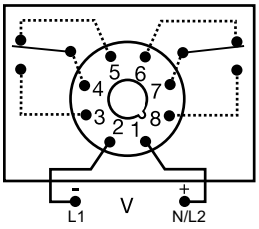
Upon application of input voltage, the output relay is energized and the ON time begins. At the end of the ON time, the output relay de-energizes and the OFF time begins. At the end of the OFF time, the output is energized and the cycle repeats as long as input voltage is applied.

Reset: Removing input voltage resets the output and the sequence.

Features & Benefits

FEATURES	BENEFITS
Solid-state circuitry with electromechanical relay	Long life circuitry at a reliable low cost
Industry standard octal plug connection	Eliminates need for special connectors
Adjustable flash rate	Provides flexibility for user to select flash rate between 10 - 100 FPM
10A, DPDT isolated output contacts	Allows control of loads for AC or DC voltages

Wiring Diagram



V = Voltage

Accessories



BZ1 Front Panel Mount Kit
Provides an easy method of through-the-panel mounting of 8- or 11-pin plug-in timers, flashers, and other controls.



NDS-8 Octal 8-pin Socket
8-pin 35mm DIN rail or surface mount. Surface mounted with two #6 screws or snaps onto a 35 mm DIN rail. Uses PSC8 hold-down clips.



PSC8 Hold-down Clips
Securely mounts plug-in controls in any position. Provides protection against vibration. Use with NDS-8 Octal Socket. Sold in pairs.



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

Ordering Information

MODEL	INPUT VOLTAGE
FS512	12VDC
FS524	24VAC/DC
FS590	120VAC/DC

If you don't find the part you need, call us for a custom product 800-843-8848

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Specifications

Technical Data

Operation	ON/OFF recycling flasher with adjustable flash rate
Flash Rate	Adjustable from 10 - 100 operations per minute (guaranteed range)
ON/OFF Ratio	≅ 50%

Input

Input Voltage	12VDC, 24VAC/DC, 120VAC/DC, 230VAC
Tolerance	
12VDC & 24VDC/AC	-15% - 20%
120VAC/VDC & 230VAC	-20% - 10%
AC Line Frequency	50/60Hz

Output

Load Type	Electromechanical relay
Form	DPDT
Rating	10A resistive @ 120/240VAC & 28VDC; 1/3 hp @ 120/ 240VAC

Mechanical

Mounting	Plug-in socket
Dimensions	**H** 91.6 mm (3.62"); **W** 60.7 mm (2.39"); **D** 45.2 mm (1.78")
Termination	Octal 8-pin plug-in

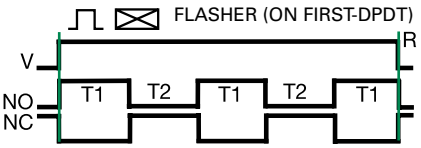
Protection

Isolation Voltage	≥ 1500V RMS input to output
Polarity	DC units are reverse polarity protected

Environmental

Operating/Storage Temperature	-20° to 60°C / -30° to 85°C
Weight	≅ 5.8 oz (164 g)

Flasher Function Diagram



V = Voltage
R = Reset
T1 = ON Time
T2 = OFF Time
NO = Normally Open
NC = Normally Closed

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