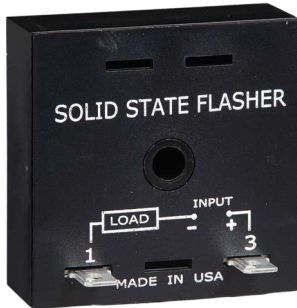
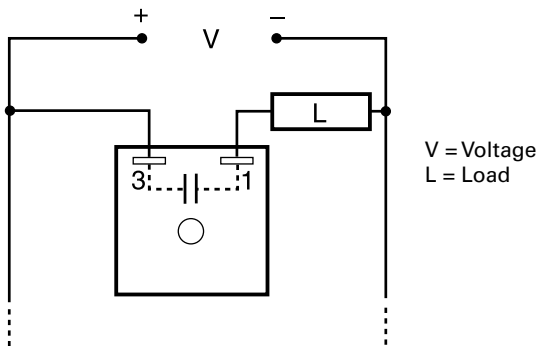


# FS300 SERIES



## Wiring Diagram



## Ordering Information

MODEL	INPUT	MAXIMUM CURRENT LOAD
FS312	12VDC $\pm$ 20%	2.5A
FS324	24VDC $\pm$ 20%	1.5A

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

## Description

The FS300 Series of solid-state flashers were specifically designed to operate lamp loads. Their two-terminal series connection feature makes installation easy. The high immunity to line noise and transients makes the FS300 Series ideal for moving vehicle applications. All solid-state construction means reliability and long life. The FS300 Series offers a factory fixed flash rate of 75 FPM or may be ordered with a fixed, custom flash rate ranging from 60 to 150 FPM.

## 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
<b>Totally solid state and encapsulated</b>	No moving parts to arc and wear out over time and encapsulated to protect against shock, vibration, and humidity
<b>High immunity to line noise and transients</b>	Designed specifically for moving vehicle applications
<b>High surge current capability (10 times steady state)</b>	Direct operation of incandescent lamp loads
<b>Two terminal series connection</b>	Provides quick and easy installation for new or existing applications

## Accessories



### P1023-6 Mounting bracket

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



### P1015-64 (AWG 14/16)

#### Female Quick Connect

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.

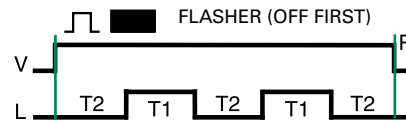
# FS300 SERIES

## Specifications

### Technical Data

<b>Operation</b>	OFF/ON recycling solid-state flasher (continuous duty)
<b>Flash Rate</b>	Fixed at 75 FPM $\pm 10\%$
<b>Custom Flash Rates</b>	60 - 150 FPM
<b>ON/OFF Ratio</b>	$\approx 50\%$
<b>Input</b>	
<b>Voltage</b>	12, 24, 36, 48, 72, & 110VDC
<b>Output</b>	
<b>Load Type</b>	Incandescent or resistive
<b>Maximum Load Rating</b>	0.25 - 2.5A steady state
<b>Inrush</b>	10 times steady state current
<b>Mechanical</b>	
<b>Mounting</b>	Surface mount with one #10 (M5 x 0.8) screw
<b>Dimensions</b>	<b>H</b> 50.8 mm (2"); <b>W</b> 50.8 mm (2"); <b>D</b> 30.7 mm (1.21")
<b>Termination</b>	0.25 in. (6.35 mm) male quick connect terminals
<b>Protection</b>	
<b>Circuitry</b>	Encapsulated
<b>Environmental</b>	
<b>Operating/Storage</b>	
<b>Temperature</b>	-20° to 60°C / -40° to 85°C
<b>Humidity</b>	95% relative, non-condensing
<b>Weight</b>	$\approx 2.2$ oz (62 g)

## Flasher Function Diagram



V = Voltage  
R = Reset  
L = Load  
T1 = ONTime  
T2 = OFFTime  
T1  $\approx$  T2