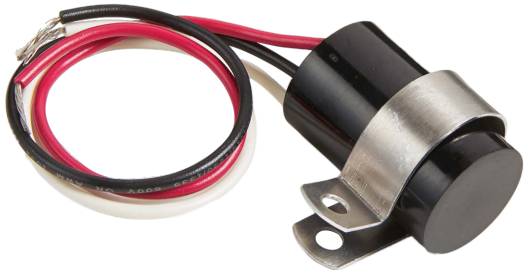
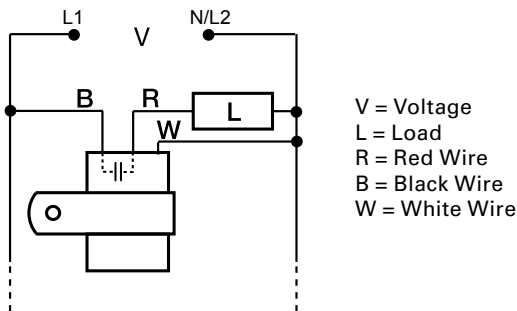


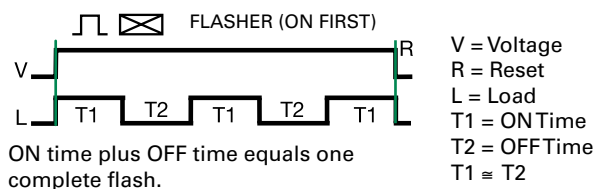
# FS491



## Wiring Diagram



## Function Diagram



## Description

The FS491 is a low leakage AC flasher designed to control LED, or resistive loads. This product offers a solid-state output and may be ordered with an input voltage of 24V to 240VAC, in two ranges. It offers a factory fixed flash rate of 75 FPM or may be ordered with a fixed, custom flash rate ranging from 45 to 150 FPM. The FS491 is the perfect solution for LED lamp flashing.

### Operation

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

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

## Features & Benefits

FEATURES	BENEFITS
<b>Totally solid state</b>	No moving parts to arc and wear out, up to 100 million operations under typical conditions
<b>Fully encapsulated</b>	Protects circuitry from shock, vibration and humidity
<b>Extremely low leakage current</b>	Ideal for use in LED lighting applications

## Specifications

### Technical Data

<b>Operation</b>	ON/OFF solid-state flasher (continuous duty)
<b>Flash Rate</b>	Fixed at 75 FPM $\pm 20\%$
<b>Custom Flash Rates</b>	45 - 150 FPM $\pm 20\%$
<b>ON/OFF Ratio</b>	$\approx 50\%$
<b>Input</b>	
<b>Voltage</b>	24, or 120 - 240VAC
<b>Tolerance</b>	$\pm 15\%$
<b>AC Line Frequency</b>	50/60Hz
<b>Output</b>	
<b>Load Type</b>	LED or resistive
<b>Output</b>	Bridge Rectifier & FET
<b>Maximum Load Rating</b>	
<b>120VAC to 240VAC</b>	0.5A steady state; 5A inrush
<b>Max. Load Leakage Current</b>	250 $\mu$ A
<b>Voltage Drop</b>	2V typical
<b>Mechanical</b>	
<b>Mounting</b>	Surface mount with one #8 (M4 x 0.7) screw
<b>Dimensions</b>	<b>Dia.</b> 23.9 mm (0.94"); <b>D</b> 38.1 mm (1.5")
<b>Protection</b>	
<b>Surge</b>	IEEE C62.41 - 1991 Level A
<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>	$\approx 1.1$ oz (31 g)