

Maximum

Current Load

2.5A

1.5A

1A

0.75A

0.5A

0.25A

Part Number

FS312

FS324

FS336

FS348

FS372

FS390

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.

For more information see:

Appendix A, page 164 for Flasher (OFF First) function. Appendix B, page 165, Figure 1 for dimensional drawing. Appendix C, page 168, Figure 5 for connection diagram.

Features:

- All solid state no moving parts or contacts
- High surge capability designed to operate incandescent lamp loads
- High noise & transient protection
- Two-terminal series connection
- Encapsulated protects against shock, vibration, & humidity

Auxiliary Products:

- Female quick connect: P/N: P1015-64 (AWG 14/16)
- Quick connect to screw adaptor: P/N: P1015-18
- Mounting bracket: P/N: P1023-6
- **DIN rail:** P/N: C103PM (Al)
- **DIN** rail adaptor: P/N: P1023-20

Available Models:

FS312 FS324 FS336 FS390

Specifications

Order Table:

<u>Input</u> 12VDC ±20%

24VDC ±20%

36VDC ±20%

48VDC ±15%

72VDC ±15%

110VDC ±15%

Technical Data
Operation OFF/ON recycling solid-state flasher (continuous duty)
Flash Rate Fixed at 75 FPM ±10%
Custom Flash Rates 60 - 150 FPM
ON/OFF Ratio
Input
Voltage
Output
Load Type Incandescent or resistive
Maximum Load Rating 0.25 - 2.5A steady state
Inrush



The FS400 Series is a low leakage AC flasher designed to control LED, or resistive loads. This series 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 FS400 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.

For more information see:

Appendix A, page 164 for Flasher (ON First) function. Appendix B, page 165, Figure 12 for dimensional drawing. Appendix C, page 168, Figure 6 for connection diagram.

Features:

- Low leakage for LED lamps
- Fixed flash rate at 75 FPM
- Custom flash rate 45 150 FPM
- 0.5 or 1A, solid-state output
- 24V to 240VAC in 2 ranges
- Small size: 1.5 x 0.94 in. (38 x 23.9 mm)

Approvals: (E RI @

Available Models:

FS491

Order Table:

Input Voltage 120 to 240VAC 24VAC

Output Rating 0.5A 1A Part Number FS491 FS421

Specifications

Maximum Load Rating

Technical Data	
Operation	.ON/OFF solid-state flasher (continuous duty)
Flash Rate	.Fixed at 75 FPM ±20%
Custom Flash Rates	.45 - 150 FPM ±20%
ON/OFF Ratio	.≅ 50%
Input	
Voltage	.24, or 120 - 240VAC
Tolerance	.± 15%
AC Line Frequency	.50/60Hz
Output	
Load Type	.LED or resistive
Output	.Bridge Rectifier & FET

Max. Load Leakage Current250μA
Voltage Drop2V typical
Mechanical
MountingSurface mount with one #8 (M4 x 0.7) screw
Dimensions
Protection
Surge
CircuitryEncapsulated
Environmental
Operating/Storage Temperature20° to 60°C / -40° to 85°C
Humidity95% relative, non-condensing
Weight≅ 1.1 oz (31 g)