

DC Flasher FS300 Series Solid State Flasher



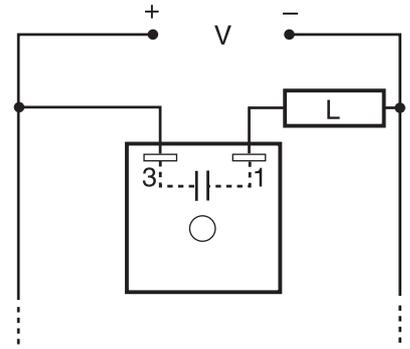
Description

The FS300 Series 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.

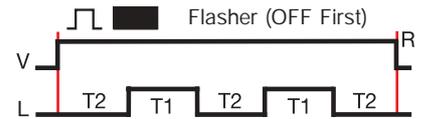
Operation

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.

- Totally Solid State – No Mechanical Contacts to Arc and Wear
- High Surge Capability – Designed to Operate Incandescent Lamp Loads
- High Noise and Transient Protection
- Two-Terminal Series Connection
- Encapsulated – Protects Against Shock, Vibration, and Humidity



Note: Load may be in positive side



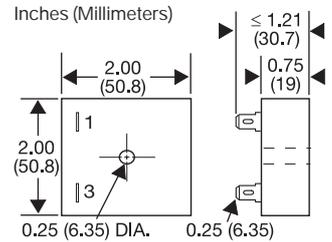
V = Voltage L = Load R = Reset
T1 = ON Time T2 = OFF Time

| Input | Maximum Load Current | Part Number |
|-----------------|----------------------|-------------|
| 12 V DC +/-20% | 2.5 A | FS312 |
| 24 V DC +/-20% | 1.5 A | FS324 |
| 36 V DC +/-20% | 1.0 A | FS336 |
| 48 V DC +/-15% | 0.75 A | FS348 |
| 72 V DC +/-15% | 0.5 A | FS372 |
| 110 V DC +/-15% | 0.25 A | FS390 |

Technical Data

Specifications

| | |
|-------------------------------|--|
| Mode of Operation | OFF/ON recycling solid state flasher (continuous duty) |
| Input Voltage | 12, 24, 36, 48, 72, and 110 V DC |
| Flash Rate | Fixed at 75 flashes per min +/-10% |
| ON/OFF Ratio | ≅ 50% |
| Load Type | Incandescent or resistive |
| Maximum Load Rating | 0.25 ... 2.5 A steady state |
| Inrush | 10 times steady state current |
| Custom Flash Rates | Available from 60 ... 150 flashes per min |
| Circuitry | Encapsulated |
| Mounting | Surface mount with one #10 (M5 x 0.8) screw |
| Package | 2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm) |
| Termination | 0.25 in. (6.35 mm) male quick connect terminals |
| Operating/Storage Temperature | -20° ... +60°C / -40° ... +85°C |
| Weight | ≅ 2.2 oz (62 g) |



Accessories

Female quick connect



P/N: P1015-64 (AWG 14/16)

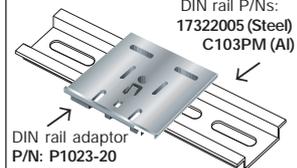
Quick connect to screw adaptor
P/N: P1015-18



Mounting bracket
P/N: P1023-6



DIN rail P/Ns:
17322005 (Steel)
C103PM (Al)
DIN rail adaptor
P/N: P1023-20



See accessory pages at the end of this section.