

Timing Mode:
On/off recycling flasher. The flash rates are fixed and are available from 10 to 240 flashes per minute (FPM). Duty cycle is approximately $50 \%$ with custom duty cycles available.

## Timing Diagram:



## Contact Information:

Arrangement: 2 form C (DPDT) - Diagrams C \& D
Contact Material: Silver - Cadmium Oxide
Rating (Resistive):
10A @ 240V AC Resistive
15A @ 30V DC Resistive
15A @ 120V AC Resistive
1/3 HP @ 120V AC
1/2 HP @ 250V AC
Expected Life @ $25^{\circ} \mathrm{C}$ : 10 Million operations, Mechanical; 100,000 operations minimum at rated loads

## Environmental Information:

Temperature Range:
Storage: $-60^{\circ} \mathrm{C}$ to $+105^{\circ} \mathrm{C}\left(-76^{\circ} \mathrm{F}\right.$ to $\left.+221^{\circ} \mathrm{F}\right)$

| Amperite Co. |  |
| ---: | ---: |
| AMPERITE |  |
| Solving your relay requirements since 1922 | (800) $752-2329$ |
| www.Amperite.com |  |

Operating: $-45^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}\left(-49^{\circ} \mathrm{F}\right.$ to $\left.+158^{\circ} \mathrm{F}\right)$

## Mechanical Information:

Termination: 8 pin Octal Style Plug or 11 pin spade terminals (Diagram C\&D)
Enclosure: White plastic case. LDF10 version has a black case.
Weight: 4 oz ( 114 g ) approx.

## Outline Dimensions:



Timing Specifications:
Flash Rate - Fixed: Standard - 30, 45, 60, 75, $90 \& 120$ FPM. Custom rates available from 10 to 240 FPM.
Flash Rate Tolerance: $\pm 10 \%$

## Initial Dielectric Strength:

Between open contacts: 1000V RMS
Between adjacent contacts: 1500V RMS
Between contacts \& coil: 1500V RMS

## Input Information:

Voltage: AC units- $12 \mathrm{~V}, 24 \mathrm{~V}$, and 120 V ; DC units $-12 \mathrm{~V}, 24 \mathrm{~V}, 48 \mathrm{~V}$ and 110 V . Other input voltages available.

## Power Requirement:

AC units: 3VA or less; DC units: 3 Watts or less
Transient Protection: 1 Joule Mov
Polarity Protection: On DC units - Yes


## Input Voltages \& Limits:

| Nominal | Minimum | Maximum |
| :--- | :---: | :---: |
| 12 V AC | 10 V | 14 V |
| 24 V AC | 20 V | 28 V |
| 120 V AC | 105 V | 130 V |
| 12 V DC | 11 V | 14 V |
| 24 V DC | 20 V | 32 V |
| 48 V DC | 41 V | 55 V |
| 110 V DC | 95 V | 125 V |

## Wiring Diagrams:



Definition of a part number for the Amperite DF10 Series Flasher.
Example:


A: Denotes nominal input voltage. Voltages available: 12, 24, \& 120V AC; 12, 24, 48, \& 110V DC. Custom Voltages are available.

| Amperite Co. |  |
| :---: | :---: |
| A MPERITE |  |
| Solving your relay requirements since 1922 | (800) $752-2329$ |

B: Denotes type of input current required for operation:
A = AC - Alternating Current
$\mathrm{D}=\mathrm{DC}$ - Direct Current
C: Denotes flasher configuration.
D: Denotes flash rate. Standard rates are 30, 45, 60, 75, $90 \& 120$ FPM. Custom rates are available from 10 to 240 FPM.

E: Enter "L" if optional 11-pin spade terminals are required (Diagrams B\&D).
F: Denotes 10A DPDT (2 form C) flasher - DF10 Series.

