

## DELAY-ON-DROPOUT TIME DELAY RELAYS

### DOD Series Delay-On-Dropout Time Delay Relays



The DOD Series time delay relays feature solid state analog circuitry and true delay-on-dropout. Contacts are 2 form C (DPDT) and are rated 1000VA, 90W maximum switching power, 250V AC, 48V DC maximum switching voltage and 4 amperes maximum switching current. Power requirements: AC units-2 VA or less; DC units-2 watts or less. UL file #E96739(M). CSA file #LR62586. Mounting: 8-pin octal style plug. Spade terminal style available. Timing tolerance:fixed units +/- 5%, adjustable units 0 to +25% of max.specified delay time, min.specified delay time at low end. Repeatability: +/- 5%.

#### Ordering Information:

120 A .6 - 60 S L DOD  
 ↑ ↑ ↑ ↑ ↑ ↑ ↑  
 A B C D E F G

- A: Denotes nominal input voltage. Voltages Available: 24 & 120V AC; 24, 48 & 110V DC  
**Custom Voltages are available.**
- B: Denotes type of input current required for operation:A = AC - Alternating Current, D = DC - Direct Current
- C & D: Denotes range of knob adjustability for timing (in seconds or minutes) where:  
C= Minimum time delay. D= Maximum time delay for adjustable TDR'S.
- Note: 1.) Contact factory for ranges available. **Custom Timing is available.**  
2.) Both values (C & D) can be replaced by a single value for a factory preset time delay in seconds or minutes from 0.1 secs. through 300 secs.
- E: Denotes use of seconds or minutes in timing value(s), S = seconds, M = minutes.
- F: Enter "L"if optional 11-pin spade terminals are required. Call factory for dimensional differences.
- G: Denotes DPDT (2 form C) 4 amp delay on dropout DOD Series Time Delay Relay.

Mfr. No.	Delay	Input Voltage	Mode of Operation
120A.1-10SDOD	.1-10 SEC	120V AC	DPDT
120A.6-60SDOD	.6-60 SEC	120V AC	DPDT
120A1.2-120SDOD	1.2-120 SEC	120V AC	DPDT
120A3-300SDOD	3-300 SEC	120V AC	DPDT
24D.1-10SDOD	.1-10 SEC	24V DC	DPDT
24D1.2-120SDOD	1.2-120 SEC	24V DC	DPDT
24D3-300SDOD	3-300 SEC	24V DC	DPDT

Many other configurations available;consult factory.

## ADJUSTABLE RECYCLE TIME DELAY RELAYS (FLASHERS)

### DFA Series Recycling Timers



The DFA Series recycling timer has solid state digital CMOS circuitry with DPDT isolated 10A relay contacts. The OFF and ON time is user adjustable over a 100:1 span. Adjustable cycling timers provide a continuously operating off/on cycle as long as power is applied to the input terminals. Two knob operated potentiometers provide user adjustment of both the flash rate and duty cycle. Contact rating:10 Amps @ 240V AC resistive. Operating temp. range: -45 C to +70 C. Mounting:8-pin octal style plug. Spade terminal style available. Timing tolerance:fixed units +/- 5%, adjustable units 0 to + 10% of maximum specified delay time, minimum.specified delay time at low end.Repeatability:+/- 1%. Reset:Upon interruption of power. Timing cycle interrupt transfer: None.

#### Ordering Information:

120 A A / A R\* L DFA  
 ↑ ↑ ↑ ↑ ↑ ↑ ↑  
 A B C D E F

- A: Denotes nominal input voltage. Voltages Available: 12, 24, & 120V AC; 12, 24, 48 & 110V DC  
**Custom Voltages are available.**
- B: Denotes type of input current required for operation:A = AC - Alternating Current, D = DC - Direct Current
- C: Denotes first timing period. Contact factory for timing ranges available. For standard units this is an "OFF" time delay. Fixed timing available. If fixed timing is desired, please indicate S for secs., M for mins. or H for hours.
- D: Denotes second timing period. For standard units this is an "ON" timing period. Fixed timing available.
- \*Note: If the ON time delay period is desired to occur first upon application of input power, place an "R" after the second timing period code letter.
- E: Enter "L"if optional 11-pin spade terminals are required. Call factory for dimensional differences.
- F: Denotes 10 ampere 2 form C adjustable recycle flasher - DFA Series.

Mfr. No.	Recycle Delay	Input Voltage	Mode of Operation
120AA/ADFA	.1-10 SEC	120V AC	DPDT
120AC/CDFA	.6-60 SEC	120V AC	DPDT
120AF/FDFA	1-100 MIN	120V AC	DPDT
12DA/ADFA	.1-10 SEC	12V DC	DPDT
12DC/CDFA	.6-60 SEC	12V DC	DPDT
12DF/FDFA	1-100 MIN	12V DC	DPDT
24DA/ADFA	.1-10 SEC	24V DC	DPDT
24DC/CDFA	.6-60 SEC	24V DC	DPDT
24DF/FDFA	1-100 MIN	24V DC	DPDT

Many other configurations available;consult factory.