

## 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:**

<u>120</u>	<u>A</u>	<u>.6</u>	- <u>60</u>	<u>S</u>	<u>∟</u>	DOD	
∱	∱	∳	1	∳	∮	A	
A	B	C	D	E	F	G	
	Mfr. No. 120A.1-10SDOD 120A.6-60SDOD 120A1.2-120SDOD			Dela .1-10 .6-60 1.2-1	SEC	In Vol 120 120 120	

	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.

Denotes nominal input voltage. Voltages Available: 24 & 120V AC; 24, 48 & 110V DC

- F: Enter "L"if optional11-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.

120A3-300SDOD 3-300   24D.1-10SDOD .1-10 \$   24D1.2-120SDOD 1.2-12	Voltage   SEC 120V AC   SEC 120V AC   0 SEC 120V AC   SEC 24V DC   0 SEC 24V DC	Mode of Operation DPDT DPDT DPDT DPDT DPDT DPDT	Many other configurations available consult factory
24D3-300SDOD 3-300	SEC 24V DC	DPDT	Many other configurations available; consult factory.

A٠

E: F٠

A:

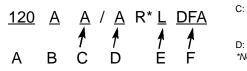
## ADJUSTABLE RECYCLE TIME DELAY RELAYS (FLASHERS)

#### **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.

Denotes nominal input voltage. Voltages Available:

### **Ordering Information:**



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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 times is desired, also as indicate O fee sees. M fee wine so II fee become	

If fixed timing is desired, please indicate S for secs., M for mins.or H for hours.

- 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.
  - Enter "L"if optional11-pin spade terminals are required. Call factory for dimensional differences. Denotes 10 ampere 2 form C adjustable recycle flasher - DFA Series.

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

Many other configurations available; consult factory.



Mode of Operation DPDT DPDT DPDT DPDT DPDT DPDT DPDT DPDT DPDT

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12 24 & 120V AC: 12 24 48 & 110V DC

Custom Voltages are available.