

DARE time delay relays are a combination of solid-state timing and control circuitry with an electromechanical relay. Time delay relays can be used for a wide variety of applications including event sequencing, instrument control, alarm circuits, and watchdog circuits. Our time delay relays are designed to function in the severe environmental requirements of military and aerospace operation without any degradation in performance. DARE Time Delay Relays are available in a wide variety of timing periods ranging from milliseconds to hours with delay on operate, delay on release, or both and fixed or adjustable timing periods. Interval timers with fixed or adjustable delays are also available.



DESIGN FEATURES

- Timing delays available from milliseconds to hours
- Delay on pull-in, delay on drop-out, or both
- Preset or field adjustable timing
- Input voltage 18 to 31 Vdc or 105 to 125 Vac
- Contact configurations from SPDT to 4PDT, 2 Amp, 5 Amp, 10 Amp and 25 Amp contact ratings
- Solid State normally open outputs available
- Hermetic sealing and encapsulating for immunity to shock, vibration, and environmental extremes
- Meets or exceeds the requirements of MIL-STD-704, MIL-STD-810, MIL-PRF-83726
- Wide variety of finishes, enclosures, connectors, and mounting arrangements

GENERAL SPECIFICATIONS

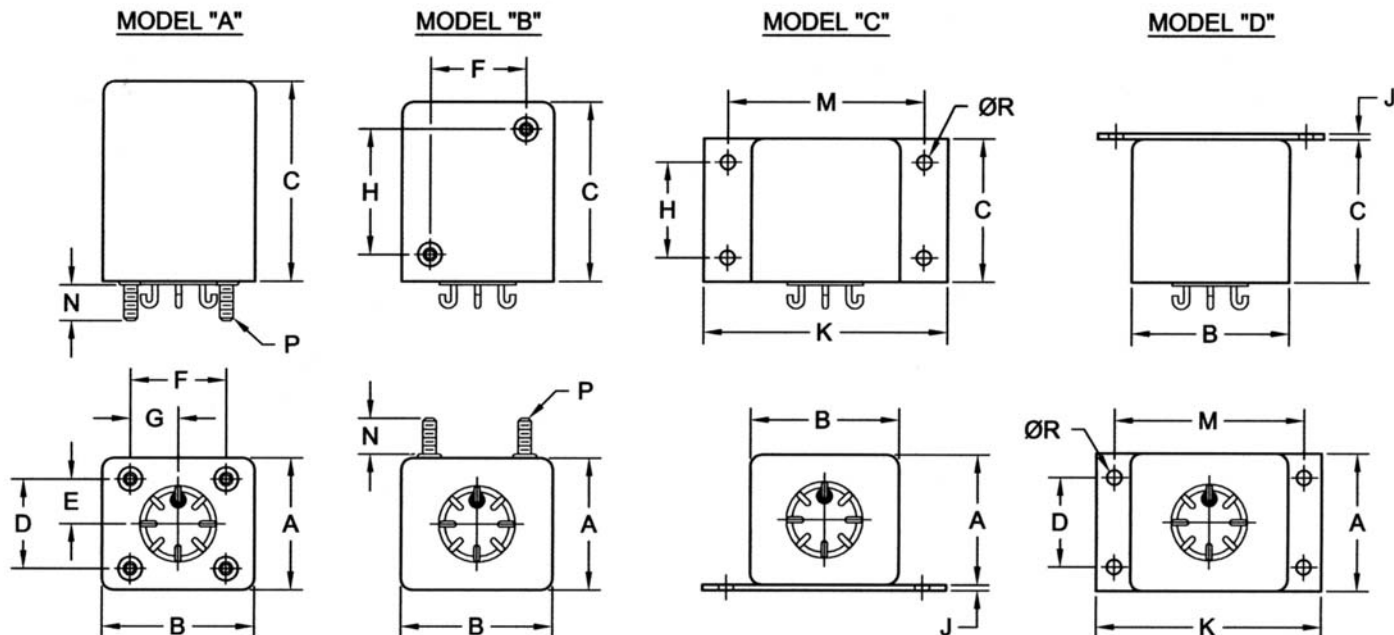
ELECTRICAL		ENVIRONMENTAL	
Input (Operating)		Temperature:	Per MIL-STD-810, Methods 501, 502
Nominal Voltage:	28 Vdc or 115 Vrms	Operating:	-55°C to +125°C or -40°C to +85°C
Nominal Frequency:	DC or 50/60/400 Hz.	Storage:	-65°C to +150°C
Voltage Transient Protection:	MIL-STD-704, ±600v, 500 µsec Limits 1, 2, 3	Vibration:	Per MIL-STD-810, Method 514, Procedure I 10-2000 Hz., 20 G's
Reverse Voltage	800 Volts	Acceleration:	Per MIL-STD-810, Method 513, Procedure I and II, ±10 G's
Time Delay Operation		Shock:	Per MIL-STD-810, Method 516 Procedure I, 50 G's - 11 ms
Time Delay:	50ms to hours, Fixed or adjustable	Humidity:	Per MIL-STD-810, Method 507, Procedure II
Time Delay Accuracy:	±5%, ±10%, ±20%	Altitude:	Per MIL-STD-810, Method 504, Category 6 Sea Level to 70,000 Ft.
Time Delay Functions:	Operate, Release (controlled and true) Interval, Repeat Cycle		
Reset Time:	10 ms (DC) or 50 ms (AC) typical		
OUTPUT CONTACTS		CONSTRUCTION	
Configuration:	SPDT to 4PDT	Enclosure:	Hermetically Sealed and Encapsulated (See drawings of standard styles)
Contact Rating @ 28 VDC		Connector:	Glass to metal seal, solder hook, or circular type connector available (See wiring diagram of typical pin-out connections)
Resistive:	2 A 5 A 10 A 25 A	Finish:	Various finishes available
Inductive:	.75 A 3 A 6 A 12A		
Contact Life:	50,000 operations minimum		
Contact Resistance, Initial:	.075 ohms, maximum		
Dielectric Strength:	1000 VRMS @ 60 Hz		
Insulation Resistance:	100 megohms @ 500 Vdc		

- These parameters can be custom specified to ensure maximum performance and reliability for any application
- Contact factory for special requirements

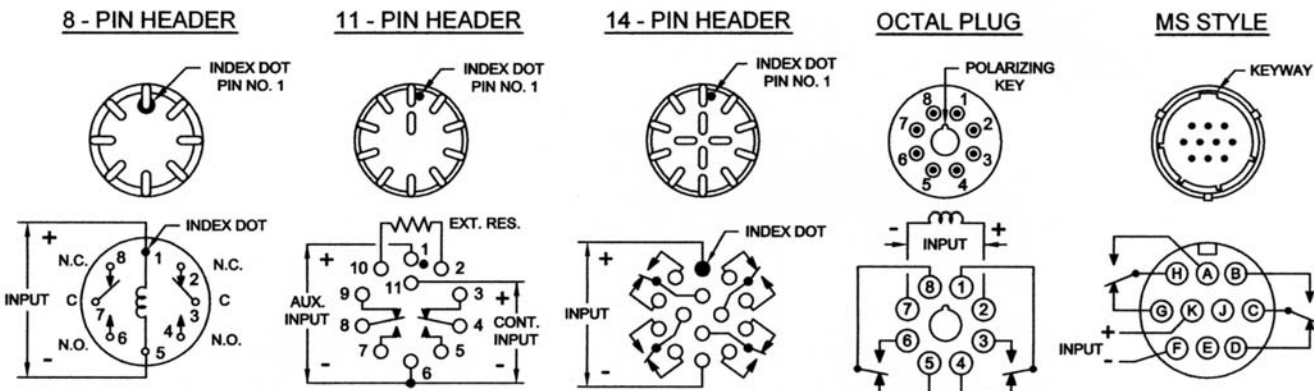
CALL 1-800-FON-DARE



STANDARD ENCLOSURE STYLES



	A	B	C	D	E	F	G	H	J	K	M	N	P	R
SIZE 1	.98	1.23	2.12	.625	.312	.875	.437	1.250	.047	2.25	1.750	.38	#4-40	.156
SIZE 2	1.36	1.56	1.88	.937	.468	1.00	.500	1.250	.047	2.62	1.125	.36	#6-32	.156
SIZE 3	1.50	1.50	1.75	1.187	.593	1.187	.593	1.250	.047	2.50	2.000	.38	#6-32	.156
SIZE 4	1.75	1.75	2.75	1.375	.687	1.375	.687	2.000	.059	2.75	2.250	.38	#6-32	.177
SIZE 5	1.75	1.88	2.20	1.375	.687	1.500	.750	1.500	.059	2.88	2.375	.38	#6-32	.177
SIZE 6	2.00	2.00	2.50	1.500	.750	1.500	.750	1.750	.059	2.62	2.500	.38	#6-32	.187
SIZE 7	3.00	3.50	3.00	2.250	1.125	2.750	1.375	2.250	.059	4.62	4.125	.38	#8-32	.196



To order select enclosure Model A, B, C, or D above, desired enclosure size 1 – 7, and header / connector style
 * Can length (dimension C) may vary depending on choice of internal relay and other features
 Tolerance: 2 place: ±.03, 3 place: ±.010

Contact Factory for Additional Styles & Options

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