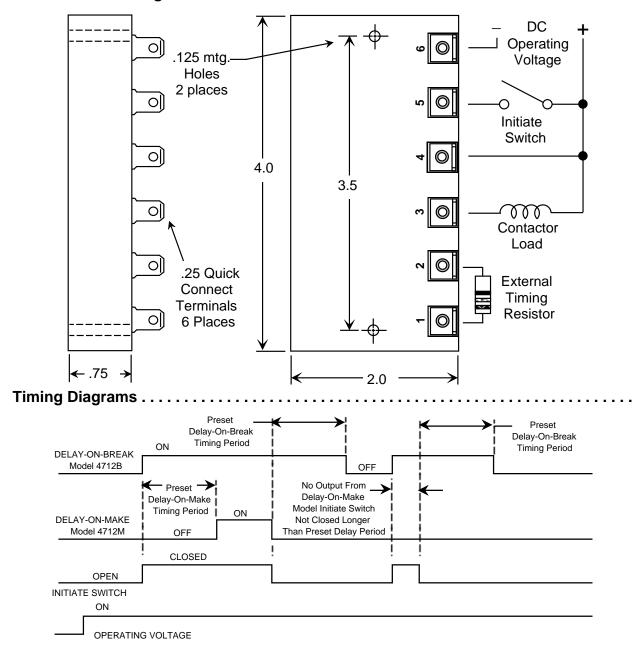


Solid State Timers and Controllers

4712

Solid State Delay-On-Make Or Delay-On-Break

The series 4712 is available as a Delay-On-Make, or as a Delay-On-Break timing module. The 4712 series is intended for use in high electrical noise environments as may be found in electric transit cars and locomotive type applications. This series is controlled by a separate initiate switch that starts the delay period when closed for the Delay-On-Make models, and when opened for the Delay-On-Break models. In the Delay-On-Make model the output energizes after the delay period. In the Delay-On-Break model the output denergizes after the timing period. Both models provide a full 10A solid state switch as the output.



Tel: 201-428-1770 • Fax: 201-428-1426 • Toll Free: 800-457-4950 Artisan Controls Corporation. 5 Eastmans Road. Suite 100. Parsippanv. New Jersev 07054. USA



Solid State Timers and Controllers

Specifications												
Voltage	: 45 Volts	to 100	Volts D	C - Re	verse r	olarity	protected.					
	: 45 Volts to 100 Volts DC - Reverse polarity protected. : 25 mA maximum at 100V DC.											
		75 mA maximum at 100 volts DC.										
	Delay-On-Make (model 4712-M), Delay-On-Break (model 4712-B),											
	Remote initiate switch for 4712-M, and 4712-B.											
	5 mA max. at 100 volts DC.											
	Initiate Switch must be open for a minimum of 100 milliseconds for the											
Recycle onalacteristics		4712M, and closed for a minimum of 100 milliseconds for the 4712B to										
		assure a recycle condition permitting full timing cycle to repeat.										
Eived Timine		0.1 seconds to 10,000 seconds.										
Tolerances On Fixed Timing												
Aujustable Tilling Kange	: From 0.1 to 8000 seconds in five ranges.											
	Timing Range vs Timing Resistor											
	External		Γ	ASH NC).		Ex: If the -4 timing					
	Resistor (Ohms)	-1	-2	-3	-4	-5	range were specified, 10-500 seconds could					
	0	0.1	1	2	10	30	be achieved using a					
	1 Meg	4	30	100	500	900	range of resistance					
	3 Meg	12	90	300	1,500	2,700	from 0 - 1 meg ohm.					
	5 Meg	20	150	500	2,500	4,500	30 - 8000 seconds with					
		30	300	1,000	5,000	8,000	0 - 10 meg ohms.					
- · - ·	10 Meg	- 30	300	1,000	5,000	8,000						
Purchase Tolerance												
On Adjustable Timing Range	•	•	•		•	nteed o	ver the resistance range					
	specified for each timing range.											
Repeatability Of Timing Period				10 40								
Output Rating	: Solid state switch rated for 10 amperes inductive switching the minus											
	side of the DC operating voltage.											
Output Switch Characteristics		1 volt drop maximum across output switch when ON and load current is										
10A, 2mA leakage when OFF.												
Transient Protection							uppressors responding to					
transients within 1 x 10 ⁻¹² seconds to a peak pulse power dissipation												
of 1500 watts, with transient surge currents to 200 amperes for												
durations up to 1/120 second at 25° C. Maximum transient voltage												
protection is 6000 volts as delivered through a source resistance of 30												
ohms with a maximum duration of 8.3ms.												
Dielectric	: 1500V rr	ns all te	erminal	s to cas	e.							
Operating Temperature	: -20°C to	+85°C										
Construction	: Encapsu	lated m	nodule	with .25	quick	connec	t wiring terminals.					
Data Sheet Revision Date	: May 31,	1995										
Ordering Information All Mode	ls											
Part Number Dela	ay Mode		Timing	wode			<u> </u>					
							1-30 Sec.					
-M (Dela	y-On-Mak	e) -	A (Ad	justable	51		-300 Sec.					
4712 -	-		`	-	-		1000 Sec.					
			– "		-	4 10-5	5000 Sec.					

		-B (Delay-On-Break)	-F	(Fixed)	-5 30-8000 Sec. Specify Fixed Times in Seconds						
Examples Of Part Numbers.											

4712 - M - A - 2 Model 4712 operating as a Delay-On-Make with remotely adjustable timing from 1 to 300 seconds. 4712 - B - A - 3 Model 4712 operating as a Delay-On-Break with remotely adjustable timing from 2 to 1000 seconds. 4712 - B - F - 250 Model 4712 operating as a Delay-On-Break with fixed timing of 250 seconds. 4712 - M - F - 0.5 Model 4712 operating as a Delay-On-Make with fixed timing of 0.5 seconds.

Tel: 201-428-1770 • Fax: 201-428-1426 • Toll Free: 800-457-4950 Artisan Controls Corporation. 5 Eastmans Road. Suite 100. Parsippanv. New Jersev 07054. USA