

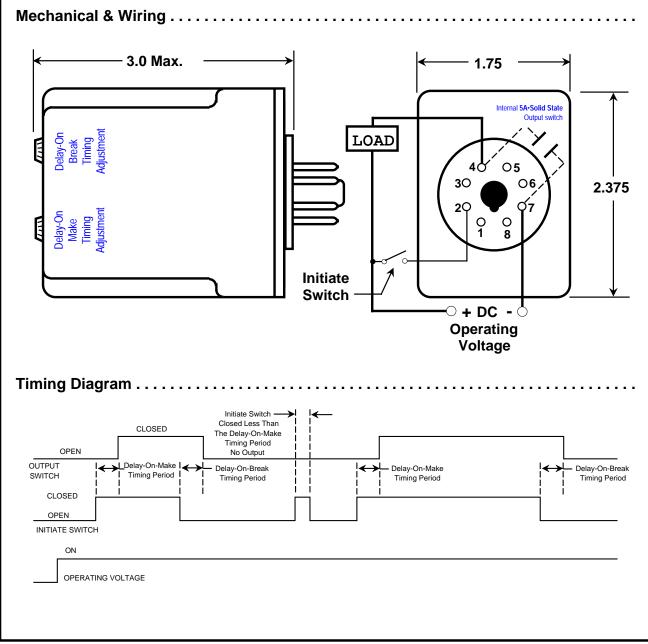
Solid State Timers and Controllers



**888** Delay

Delay-On-Make - Delay-On-Break Time Delay Relay

The model 4888 is an electronic timing device which controls a solid state switch in a delay-on-make and a delay-on-break mode of timing. When operating voltage is applied, the timer is in a standby condition until an initiate switch closes. When the initiate switch closes the delay-on-make timing period begins. At the end of this period the output load energizes and remain energized for as long as the initiate switch opens. Should the initiate switch close during the preset delay-on-break timing period after the initiate switch opens. Should the initiate switch close during the preset delay-on-break timing period, the output will remain energized and the timing period reset. Both timing periods are adjusted by integral potentiometers atop the timer.



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Solid State Timers and Controllers

Specifications			
ATTEN	10V - 20V, 18V - 30V, 28V - 40V, 38V - 60V, 50V - 90V, 70V - 130V, 120V - 200V, 190V - 240V, 220V - 280V, 240V - 300V DC only.		
Operating Current:	20 mA max. in standby prior to closure of initiate switch. 35 mA max. during the delay-on-make and the delay-on-break timing periods.		
Timing Mode:	Delay-on-make, Delay-on-break initiate switch controlled.		
Initiate Switch Characteristics:	Initiate switch must be rated for low level current duty of 10 mA. The		
	Initiate Switch does not carry any portion of the load current.		
Fixed Timing:	Delay-On-Make, and delay-on-break timing periods may be factory		
	fixed at any specified timing period from 0.1 to 10,000 seconds.		
Tolerances On Fixed Timing:	±10%.		
Adjustable Delay-On-Make:	Nine (9) ranges provide adjustable timing from 0.1 to 10,000 seconds.		
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	Potentiometers atop the timer provide full range timing adjustment.		
	1% of the max. timing range specified as a minimum (270° rotation).		
	-15%, +0% on the low end and -0%, +15% on the high end. This		
	guarantees the timing range specified.		
	: $\pm 2\%$ nominal for both timing periods.		
Recycle Time:	A new cycle can be initiated 50 milliseconds after the completion of the		
	Delay-On-Break timing period.		
	Solid state switch rated for 10A at 400V DC.		
Output Switch Leakage Current:	2mA max. at any specified operating voltage.		
Output Switch Voltage Drop:			
Transient Protection:	Protected by silicon transient suppressors responding to transients		
	within $1 \times 10^{-12}$ 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 8.3 milliseconds.		
Operating Temperature:			
	Encapsulated module with octal plug-in base.		
Data Sheet Revision Date:	June 2, 1995		

## Ordering Information Fixed & Adjustable Timing .....

Part Number	Operating Voltage	Delay On Make Timing Range	Delay On Break Timing Range
4888 - 1	12V DC	-A .1-10 -B .5-20	-A .1-10 -B .5-20
4888 - 2	24V DC	-C 10-60	-C 10-60 -D 50-200
4888 - 3	36V DC	-D 50-200 -E 100-600	-E 100-600
4888 - 4	48V DC	-F 300-900 -G 500-2000	-F 300-900 -G 500-2000
4888 - 5	74V DC	-H 1000-5000 -J 2500-10000	-H 1000-5000 -J 2500-10000
4888 - 6	110V DC	OR	OR
4888 - 7	160V DC	For	For
4888 - 8	220V DC	Fixed Delay-On-Make Model Specify Time In	Fixed Delay-On-Break Model Specify Time In
4888 - 9	240V DC	Seconds From 0.1 To 10,000	Seconds From 0.1 To 10,000
4888 - 10	270V DC		