TELEDYNE RELAYS

gentron PRODUCTS

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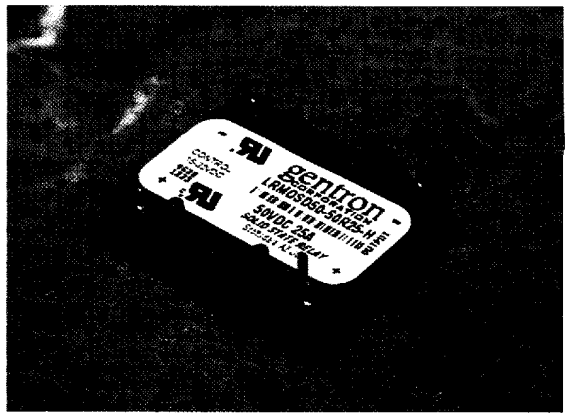
Providing the quality solid state relay solution.



General Information

LRIGTA/D and LRMOSD is a small package outline containing a single relay. LRIGTA/D and LRMOSD are constructed using either the Powertherm™ or FusedCopper™ processes which minimizes thermal interconnections, allowing for cool and reliable operation. Power sections incorporates **IGBT** and **MOSFET** die. The logic section uses the latest in surface mount technology. The shell is made of a high grade stable plastic material insuring protection of the device in the most demanding of environments. An exposed ceramic makes up the base of the relays to provide the best thermal performance.

UL & ULC Recognized

Product Selection Guide Single Pole LRIGTA/D LRMOSD Series

Example: LRMOSD50-50R25-H

Step 1 *Package and Chip Type*	Step 2 *Maximum Blocking Voltage (piv) / Line Rating*				Step 3 *Input Type Indicate High or Low by adding -L or -H before options*								Step 4 *Output Current Amps*						Step 5 *Options*
LRIGTA-AC Out	**1200480**	1200	480	48	**A** - AC*	240**	90	280	1	10	4.8		**25**	2.5	n/a	240	110	.5	**No Option:** No Suffix
LRIGTD-DC Out	**600240**	600	240	24	**R** - Random **L**ow	5	3.5	15	1	2	.16	-32							**-007** -65°C Operation
		|	|	|		**R** - Random **H**igh	15	15	32	1	2	.16	-32	All rating are **25** Amps @						**-008** Surface Mount Terminations
LRMOSD-DC Out	**5050**	50	50										50 VDC	30	230	50	1		**-009** Thermal Sensor
	100100	100	100										100 VDC	60	160	50	1		**-012** EZMount™
	200200	200	200										200 VDC	90	120	50	1		**-017** Test data printed
																			-018 Selected data on label

Max. Transient Overvoltage VAC PEAK
Max. Line Voltage(VAC)
Min. Line Voltage (VAC)

Max Input Current 30ma @ - VDC
Min. Input Voltage - VDC
Max. Input Voltage - VDC
Min. Turn Off Current - mA DC
Min. Turn Off Voltage - VDC
Max. Turn On Time @ 5.0 VDC (9A Load Current)- mS
Reverse Voltage - VDC

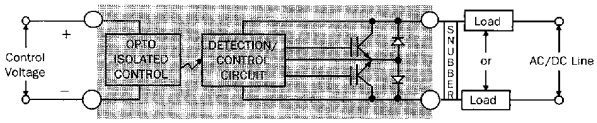
Max. On-State Voltage Drop @ Max. Rated Current - V
Max On-State Resistance @ Max Rated Current Mili Ohms
Pulsed Current - A
Max. Power Disssipation (T_C=85°C) - W
Max. Thermal Resistance J_C - °C/W

* Units are VAC where VDC is specified. AC is not avaible on MOSD
** Max Input Current 100ma @ - VDC

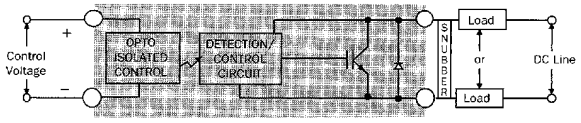
Isolation: 4000V Input to Output	dv/dt: 500V/µs Typical
Operating Temp. Range: -40°C to 125°C	Operating Frequency: 47 to 400 Hz

Electrical Schematics

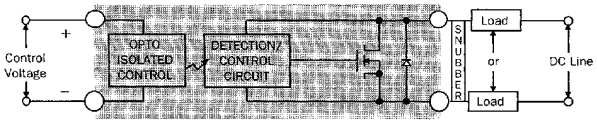
LRIGTA Series



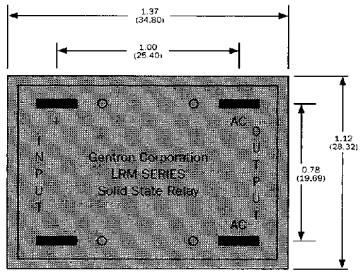
LRIGTD Series



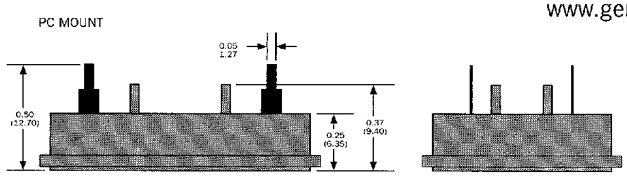
LRMOSD Series



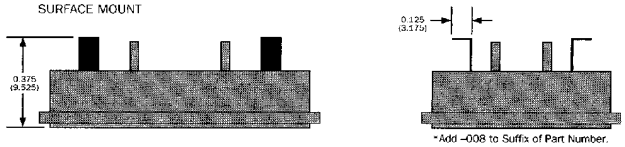
Dimensional Drawing



PC MOUNT



SURFACE MOUNT



*Add -008 to Suffix of Part Number. For surface mounting option.

View the world wide web site: spec sheets, distributor stock, catalog request and order placement. Find out about the latest in solid state relay technology @ http:// www.gentron.com

Inquire about Gentron's exclusive EZmount™ option.