

PART NUMBERS

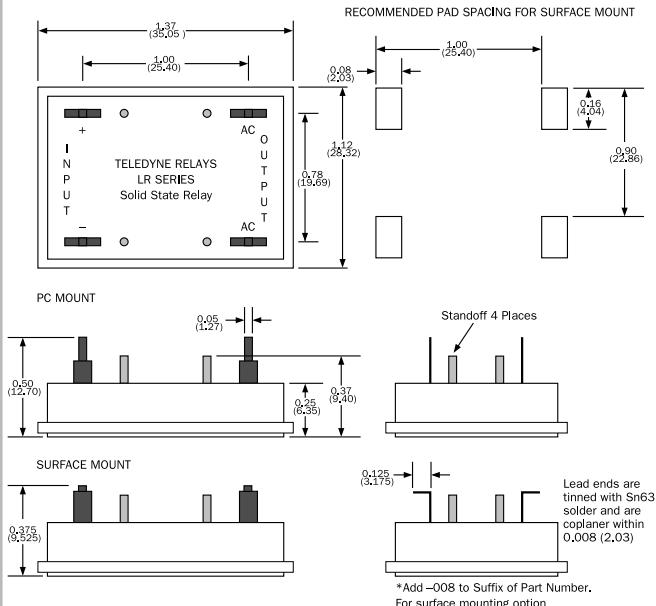
Package & Chip Type	Max Blocking Voltage (piv)/Line Rating	Input Type	Output Current Amps	Options
LRT-Triac	600240	D-DC Input, Zero Cross	10 - Triac	See Table
LR-SCR	1200480	Switching	25 - SCR	Below and
	600240	R-DC Input, Random Turn-On	40 - SCR	Page 40

Options (Add Suffix to Part Number) - See Page 40 for full description

- 008 Surface Mount Terminals
- 012 EZ Mount™
- 021 TransAX™ (Available for SCR output only)

Part Number Example: LR1200480R25

MECHANICAL SPECIFICATION



ELECTRICAL SPECIFICATIONS
INPUT (CONTROL) SPECIFICATIONS

Parameter	Input Type	Min	Max	Units
Control Voltage Range	D	3	32	Vdc
	R	4	26	
Input Current	D,R(@5Vdc)		15	mA
Must Turn-Off Voltage	D,R	1		Vdc
Reverse Voltage	D,R		-32	Vdc
Turn-Off Current	D,R	0.25		mA(AC)

OUTPUT (LOAD) SPECIFICATIONS

Parameter	Voltage Code	Min	Max	Units
Load Voltage Rating	600240	24	280	Vac
	1200480	48	530	
Frequency Range (Note 2)	Triac	47	70	Hz
	SCR	47	400	
Over Voltage Range	600240		600	VPeak
	1200480		1200	
On-State Voltage Drop @ Max Rated Current	Triac	1.5		V
	SCR	1.4		
Turn-On Time	D		8.3	ms
	R		0.02	ms
Turn-Off Time			8.3	ms
Leakage Current (Off-State) @rated voltage, 60 hz		0.5		mA
dV/dt (Typical)		500		V/ μ s
Dielectric Strength (60 hz)		2500		V
Insulation Resistance (500Vdc)		10 ⁹		Ω
Operating Ambient Temperature		-40	100	°C
Storage Ambient Temperature		-55	125	°C
Power Factor Range		0.5	1.0	
Weight (Typical)		0.53 oz. (15g)		

OUTPUT (LOAD) SPECIFICATIONS (Contd)

Parameter	Output Current	Min	Max	Units
Output Current Rating (Base Temp 85°C)	10	0.05	10	A
	25	0.05	25	
	40	0.05	40	
Surge Current Rating (Non-Repetitive 16.7 mS)	10		100	A
	25		250	
	40		400	
Thermal Resistance	10 Triac Output	1.1		
Junction to Case (J _C)	25 Triac Output	1.1		°C/W
	25 SCR Output	0.5		
	40	0.4		

NOTES:

- 1.) Where overvoltage transient spikes are present, suppression may be required. A suppressor and/or a snubber across the AC terminals of the module will provide additional transient immunity.
- 2.) For 400 Hz inductive load, contact factory.
- 3.) All parameters at 25°C unless otherwise noted.