

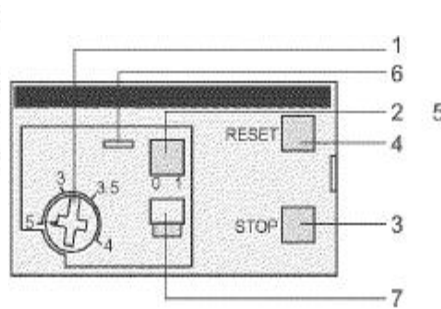
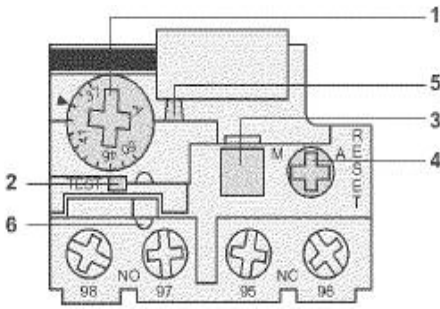
Tesys LR2D and LRD, 3-pole Thermal Overload Relays

Descriptions: Tesys LR2D and LRD, 3-pole thermal overload relays are designed to protect AC circuits and motors against overloads, phase failure, long starting times and prolonged stalling of the motor.

Explanation of Cover

LR2D, LRD3322 to LRD4369

LRD01 to LRD35



- 1: Adjustment dial I_r
- 2: Test button
- 3: Stop button
- 4: Reset button
- 5: Trip indicator
- 6: Setting locked by sealing the cover
- 7: Selector for manual or automatic reset

Technical Data

Relay Type	LRD01-16	LR2D13●●	LRD21-35	LR2D22●●	LRD33●●	LR2D33●●	LRD436●●
Electrical Characteristics of Power Circuit							
Tripping Class	10	20	10	20	10	20	10
Rated Insulation Voltage	690V				1000V		
Rated Impulse Voltage	6000V						
Frequency Limits	0 to 400						
Setting Range, A	0.1 to 13		12 to 38		17 to 104		80 to 140
Operational Characteristics							
Temperature Compensatio	-20 to +60		-30 to +60		-30 to +60		20 to +60
Tripping Threshold	1.14 ± 0.06I _n						
Sensitivity to Phase Failure Tripping current 30% of I _n , one phase. Others at In							

Selection Table

Relay setting range	Fuses to be used with selective relay			For use with LC1	Reference
	aM(A)	gG(A)	BS88(A)		
Class 10A for connection by screw clamp terminals or connectors					
0.10...0.16A	0.25	2	-	D09...D32	LRD01
0.16...0.25A	0.5	2	-	D09...D32	LRD02
0.25...0.40A	1	2	-	D09...D32	LRD03
0.40...0.63A	1	2	-	D09...D32	LRD04
0.63...1.00A	2	4	-	D09...D32	LRD05
1.00...1.60A	2	4	6	D09...D32	LRD06
1.60...2.50A	4	6	10	D09...D32	LRD07
2.50...4.00A	6	10	16	D09...D32	LRD08
4.00...6.00A	8	16	16	D09...D32	LRD10
5.50...8.00A	12	20	20	D09...D32	LRD12
7.00...10.0A	12	20	20	D09...D32	LRD14
9.00...13.0A	16	25	25	D09...D32	LRD16
12.0...18.0A	20	35	32	D09...D32	LRD21
16.0...24.0A	25	50	50	D09...D32	LRD22
23.0...32.0A	40	63	63	D09...D32	LRD32
30.0...38.0A	40	80	80	D09...D32	LRD35
17.0...25.0A	25	50	50	D40 and D95	LRD3322
23.0...32.0A	40	63	63	D40 and D95	LRD3353
30.0...40.0A	40	100	80	D40 and D95	LRD3355
37.0...50.0A	63	100	100	D40 and D95	LRD3357
48.0...65.0A	63	100	100	D50 and D95	LRD3359
55.0...70.0A	80	125	125	D50 and D95	LRD3361
63.0...80.0A	80	125	125	D65 and D95	LRD3363
80.0...104.0A	100	160	160	D80 and D95	LRD3365
80.0...104.0A	125	200	160	D115 and D150	LRD4365
95.0...120.0A	125	200	200	D115 and D150	LRD4367
110.0...140.0A	160	250	200	D150	LRD4369



LR2D13●●



LRD●●



LRD3322 to 4369, LR2D33