

Adjustable Current Thermal Overload Relay

This thermal overload relay offers adjustable current settings to protect motors from overheating. It is compatible with LC1- series contactors and provides control power options at 220V, 380V, 415V, 440V, and 660V.

Type	Adjusting range of current(A)	Control power(AC3) (KW)					Plug in contactor (LC1-)
		220V	380V	415V	440V	660V	
LR1-D 09301	0.1~0.16						D09-25
LR1-D 09302	0.16~0.25						D09-25
LR1-D 09303	0.25~0.40						D09-25
LR1-D 09304	0.40~0.63					0.37	D09-25
LR1-D 09305	0.63~1		0.37		0.55	0.55	D09-25
LR1-D 09306	1~1.6	0.37	0.55~0.75	1.1	1.5	1.5	D09-25
LR1-D 09307	1.6~2.5	0.55~0.75	1.1	1.5	2.2~3		D09-25
LR1-D 09308	2.5~4	0.75	1.1~1.5	1.5	2.2	4	D09-25
LR1-D 09310	4~6	1.1	2.2	2.2	3	4	D09-25
LR1-D 09312	5.5~8	1.5	3	3~3.7	3~3.7	5.5	D09-25
LR1-D 09314	7~10	2.2	4	4	4	7.5	D09-25
LR1-D 12316	10~13	3	5.5	5.5	5.5	10	D09-25
LR1-D 16321	13~18	4	7.5	9	9	15	D09-25
LR1-D 25322	18~25	5.5	11	11	11	18.5	D09-25
LR1-D 40353	23~32	7.5	15	15	15	22	D40, 50, 60
LR1-D 40355	30~40	10	18.5	22	22	30	D40, 50, 60
LR1-D 63357	38~50	11	22	25	25	37	D40, 50, 60
LR1-D 63359	48~57	15	25	30	30	45	D40, 50, 60
LR1-D 63361	57~66	18.5	30	37	37	55	D40, 50, 60
LR1-D 80363	63~80	22	33~37	40~45	40~45	59~63	D80

Product Overview

Adjustable Current Thermal Overload Relay

The LR1-D series thermal overload relay is designed to provide reliable protection for electrical circuits and motors against overloads. This device features an adjustable current range, allowing for precise calibration to match specific motor requirements. It is engineered for seamless integration with compatible plug-in contactors, ensuring a robust and efficient control system for various industrial applications.

Technical Specifications

Electrical Characteristics Table

Model	Current Range (A)	Contactors Compatibility
LR1-D 09301	0.1~0.16	D09-25
LR1-D 09304	0.40~0.63	D09-25
LR1-D 09308	2.5~4	D09-25
LR1-D 09314	7~10	D09-25
LR1-D 25322	18~25	D09-25
LR1-D 40355	30~40	D40, 50, 60
LR1-D 80363	63~80	D80

Compatible Contactor Series

LC1-D09-25, LC1-D40, LC1-D50, LC1-D60, LC1-D80