

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 | | 0.75~1 | 0.7~1.1 | D09-25 |
| LR1-D 09307 | 1.6~2.5 | 0.55~0 | 0.75 | 1.1 | 1 | 1.5 | D09-25 |
| LR1-D 09308 | 2.5~4 | 0.75 | 1.1~1.5 | 1.5 | 1.5 | 2.2~3 | D09-25 |
| LR1-D 09310 | 4~6 | 1.1 | 2.2 | 2.2 | 2.2 | 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 40355 | 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