

Power Relays Line Guide



Small size. Big Control. Honeywell Sensing and Control (S&C) offers a diverse line of power relays to amplify, signal transfer, signal conversion, noise protect, calculate, detect, alarm, and more! Designed with an attention to detail, Honeywell power relays are often ideal for sequence control and power switching capabilities.

Along with producing reliable solutions for industrial control, Honeywell S&C brings to bear engineering expertise and application knowledge no other company can offer.

FEATURES

POWER RELAYS

LY Series.

Features: Small package design
• ARC barrier equipped • 10 A load
• Silver cadmium oxide contact • DPDT or 4PDT • Enhanced dielectric strength (1800 Vac) • Enhanced reliability and long life • Ultra-high sensitivity with quick response time (25 ms max) • Vibration and shock resistance • Options include LED indicator, diode protection, and LED indicator/diode protection • UL listed, CE certified, CSA certified

Benefits: Designed for a wide range of applications including power and logic control for factory machines and control panels. Potential applications include control panels, elevator panels, machine tools, and test equipment.

MY Series.

Features: Small package design
• DPDT or 4PDT • 5 A or 3 A load • Silver or gold-plated contacts • Enhanced dielectric strength (1800 Vac) • Enhanced reliability and long life • Ultra-high sensitivity with quick response time (20 ms max.) • Options include LED indicator, diode protection, and LED indicator/diode protection • UL listed, CE certified, CSA certified

Benefits: DPDT has fine silver contact with 5 A capability. 4PDT has a gold-plated silver contact with 3 A capability. Potential applications include transportation industry, over-the-highway, agricultural equipment, construction equipment, test equipment, heavy-duty machinery, and marine equipment.

HY Series.

Features: High power control • DPST
• 25 A load • Enhanced life with reliable silver-alloy contacts • Screw or quick connect terminations • Wide range of applications • 30 msec max. operate time
• UL listed, CE certified

Benefits: Breaking 25 A loads, these relays are often ideal for potential applications, including air conditioners, heaters, microwave ovens, industrial equipment, copiers, process control equipment, and vending machines.

Power Relays Line Guide

A record of reliable operation...

...Honeywell Sensing and Control has manufactured general-purpose magnetic power relays for over 20 years. Backed by a worldwide network of service and sales professionals, Honeywell's power relays are designed for use in a variety of applications, environments, and industries.

Control panel applications...

Most programmable logic control (PLC) output cards have low output characteristics. To overcome this, relays are often used to switch larger loads. For this reason, it's common to find LY relays being used with PLC outputs to control machine field devices.

Elevator applications...

Relays receive their signals from a variety of local devices such as door switches, floor position-detecting sensors, operator interface buttons, etc. Honeywell's MY relays are used to control logic and do decision making; other MY relays are used to switch output signals to motor actuators, lighting devices, and fans.



General Purpose Power Relays

	LY Series	MY Series
Rated load (resistive)	110 Vac, 10 A; 24 Vdc, 10 A	220 Vac, 5 A; 24 Vdc, 5 A 220 Vac 3 A; 24 Vdc, 3 A
Carry current	10 A	5 A (DPDT); 3 A (4PDT)
Max. switching capacity (resistive)	1100 VA, 240 W	1100 VA, 120 W (5 A); 660 VA, 72 W (3 A)
Max. operating voltage	250 Vac, 125 Vdc	250 Vac, 125 Vdc
Contact	silver cadmium oxide	silver, gold-plated silver
Poles	DPDT, 4PDT	DPDT, 4PDT
Termination	plug-in/solder, PCB	plug-in/solder, PCB
Options	standard, LED indicator, diode surge suppression, LED indicator + diode surge suppression	standard, LED indicator, diode surge suppression, LED indicator + diode surge suppression



General Purpose Power Relays

	HY Series
Rated load (resistive)	277 Vac, 25 A; 30 Vdc, 25 A
Carry current	25 A
Max. switching power (resistive)	6925 Vac
Max. pickup voltage	Max 75 % of rated voltage
Contact	silver alloy
Poles	DPST
Termination	quick connect, screw
Options	Various coil voltages

Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

For more information about Sensing and Control products, visit www.honeywell.com/sensing or call +1-815-235-6847. Email inquiries to info.sc@honeywell.com

Sensing and Control
Automation and Control Solutions
Honeywell
1985 Douglas Drive North
Golden Valley, MN 55422 USA
+1-815-235-6847
www.honeywell.com/sensing

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 **WARNING**
PERSONAL INJURY

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

 **WARNING**
MISUSE OF DOCUMENTATION

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

Honeywell