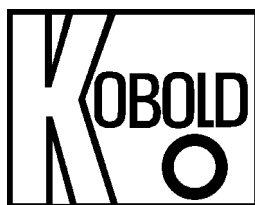
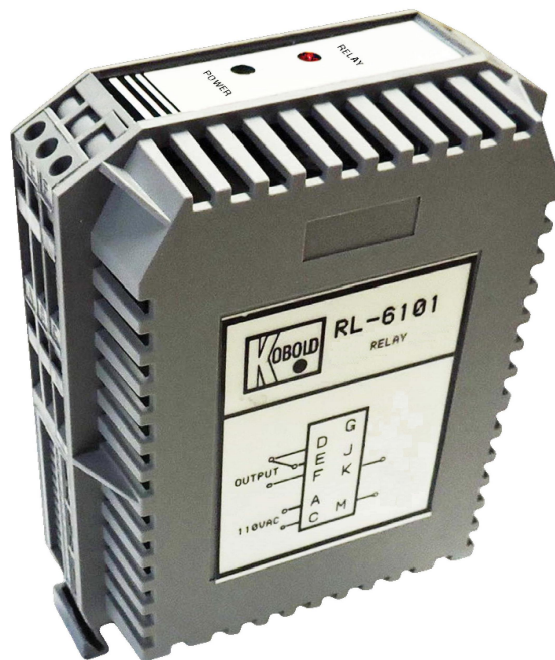


Operating Instructions

Isolation Relay for Switches

Model: RL-6100



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Manufactured and sold by:

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2. Note

Please read these operating instructions before unpacking and placing the unit in operation and follow the instructions precisely as described herein.

The devices are only to be used, maintained and serviced by persons familiar with these operating instructions and in accordance with local regulations applying to Health & Safety and prevention of accidents.

3. Instrument Inspection

Instruments are inspected before shipping and sent out in perfect condition.

Should damage to a device be visible, we recommend a thorough inspection of the delivery packaging. In case of damage, please inform your parcel service/forwarding agent immediately, since they are responsible for damages during transit.

Scope of delivery:

The standard delivery includes:

- Isolation Relay model: RL-61xx
- Operating Instructions

4. Regulation Use

Any use of the Isolation Relay, model: RL-61xx, which exceeds the manufacturer's specifications, will invalidate the warranty. Therefore, any resulting damage is not the responsibility of the manufacturer. The user assumes any and all risk for such usage.

The RL-61xx series Isolation Relay provides current switching capacity for flow, pressure, level or temperature primary switching devices such as reed contacts and transistors. It provides power for sensor excitation and it has an integrated isolation relay rated 10 A @ 240 VAC.

The data sheets of the individual devices contain the specific electrical data limits for the specific component and must be considered as an essential component of the instruction manual.

5. Operating Principle

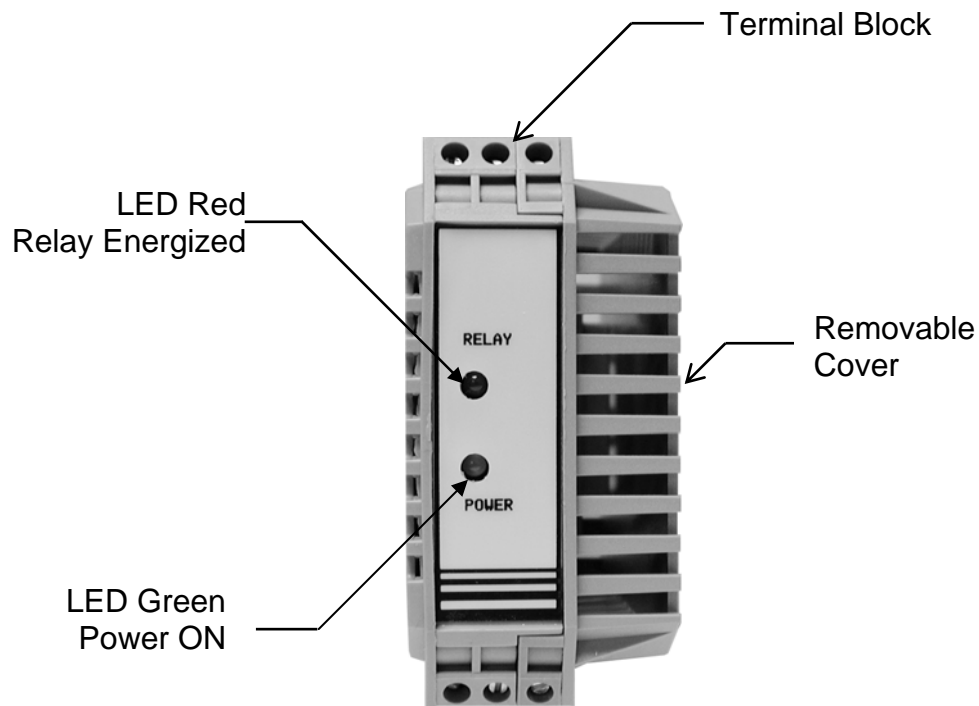
The RL-61xx series Isolation Relay provides current switching capacity for flow, pressure, level or temperature primary switching devices such as reed contacts and transistors. It has an integrated isolation relay rated 10 A @ 240 VAC.

6. Mechanical Connection



Commissioning and installation must only be performed by competent professionals suitably trained for this purpose.

6.1 Front View



6.2 Installation of devices outside of hazardous areas

- The devices are constructed to satisfy the IP20 protection classification and must be protected accordingly from adverse environmental conditions such as water spray or dirt.
- The devices must be installed outside the hazardous area!

7. Mechanical Connection

These devices can be easily mounted in two ways:

1. Panel / Wall mounting
2. Mounting on a 35 mm standard DIN rail to DIN EN 50 022

When mounting on the DIN rail, the units are simply snapped on.

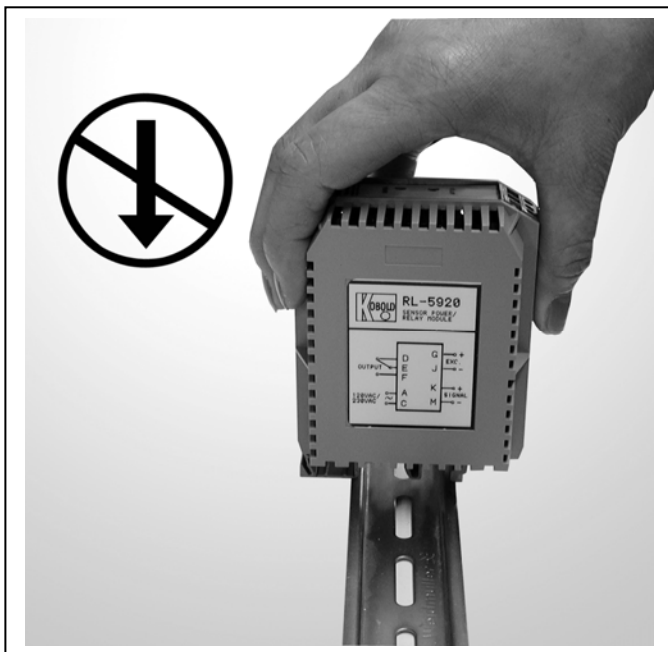


Figure 1

INCORRECT: Unit snapped on vertically angle

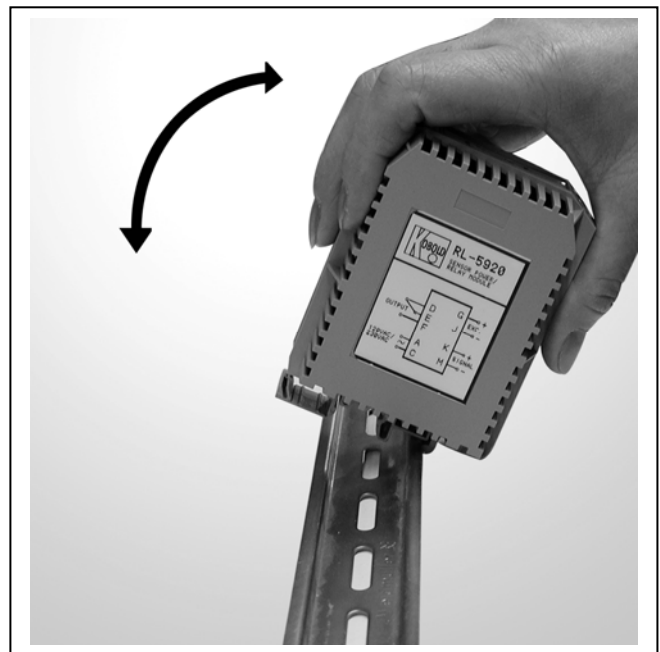


Figure 2

CORRECT: Unit snapped on at an

8. Electrical Connection

8.1 Electrical Standards

RL-61xx isolation relay modules are built according to UL and CSA standards.

They are not UL or CSA approved.

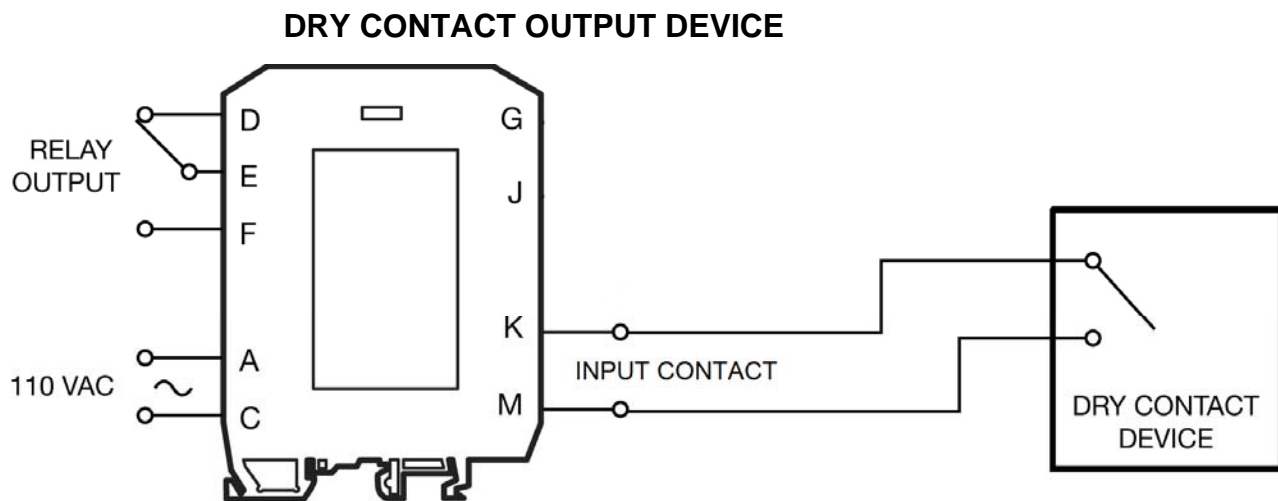


Figure 3

9. Maintenance

The performance characteristics of the devices remain stable, even over long periods of time, thus eliminating any need for adjustments. Therefore, maintenance is not required.

No changes may be made to devices. Repairs to devices must only be carried out by specially trained and qualified personnel

10. Order code

Supply Voltage	PART NUMBER
	Isolation Relay
110 VAC	RL-6101
230 VAC	RL-6102
24 VDC	RL-6103

11. Technical Information

Input:	Dry contact
Supply Voltage:	110 VAC, 230 VAC, 24 VDC
Output:	SPDT Relay, 10A @ 240 VAC, 8A @ 24 VDC
Indicators:	LED Green – Power ON LED Red – Relay energized
Housing:	Molded Polyamide, NEMA 1/IP 20, 35mm DIN RAIL mountable
Temperature:	0 °F to 130 °F
Humidity:	0 to 95 %RH, Non-condensing

12. Dimensions

