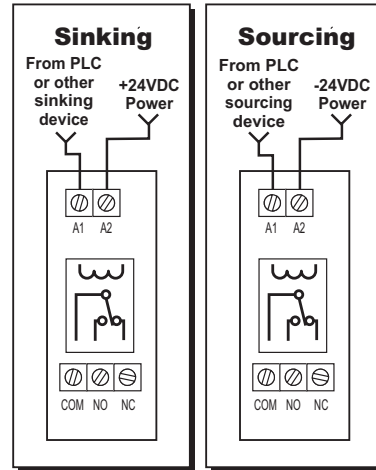
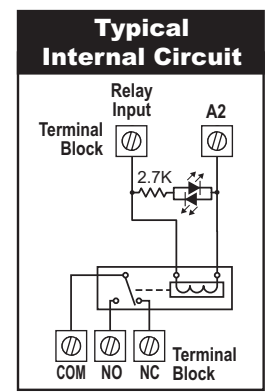
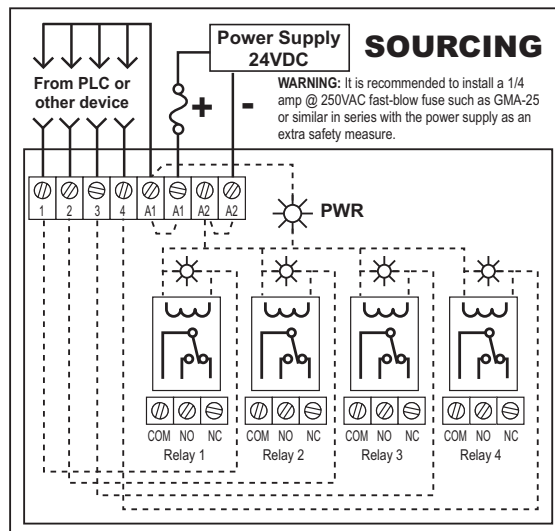
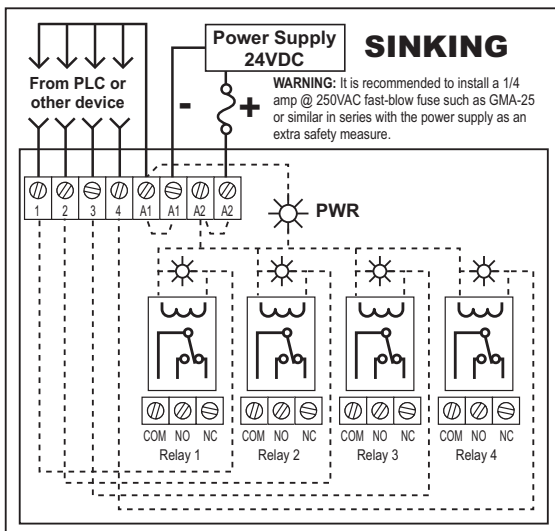


ZL-RLS4-24



ZL-RLS1-24



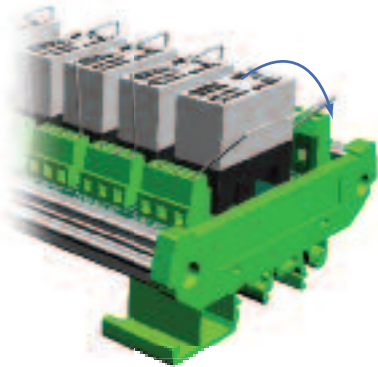
NOTE: Transient protection is required when using DirectLOGIC PLCs or other unprotected controlling devices.

General Module Specifications		Relay Contact Specifications		
Description	ZL-RLS1-24	Single output socketed relay(s) for 24VDC relay with LEDs	Current Rating	
	ZL-RLS4-24	Four output socketed relay(s) for 24VDC relay with LEDs		
Mechanical Life	10,000,000 Operations at no load condition		Contact Type	
Electrical Life	100,000 Operations at rated resistive load		Contact Voltage (per point)*	
Operating Frequency	20 cycles per minute electrical 300 cycles per minute mechanical		Maximum Power Inductive	
Isolation Coil to Contact	2500VAC for 1 minute		Maximum Power Resistive	
Isolation NC Contact to NO Contact Same Relay	1000VAC for 1 minute		Maximum Switching Voltage	
Isolation Between Relays	ZL-RLS1-24	N/A	Minimum Load	
	ZL-RLS4-24	1000VAC for 1 minute		
Red LED Indicator State Relay	ON = relay energized, OFF = relay de-energized		Contact Resistance	
Surrounding Temperature Range	32 to 140°F (0 to 60°C)		Contact Material	
Humidity Range	45 to 85% RH		Relay Coil Specifications	
Vibration Resistance	10 to 55 Hz dual amplitude width 1.5mm		Input Voltage Rating	
Shock Resistances	1000m/s ² endurance 100m/s ² operation		Maximum Continuous Coil Voltage	
Terminal Block Contacts	Copper alloy, tin-lead plated		Rated Current per Coil	
Wire Range*	12-24AWG Solid or Stranded Conductor		Coil Resistance	
Wire Strip Length	0.24-0.27" (6-7mm)		Power Consumption per Coil	
Screw Torque	4.4 in-lbs (0.5 Nm)		Pick Up Current Max. per Coil	
Dimensions (WxHxD)	ZL-RLS1-24	0.88" x 3.04" x 2.14" (22.4mm x 77.2mm x 54.3mm)	Drop-Out Voltage Min.	
	ZL-RLS4-24	3.71" x 3.42" x 2.14" (94.3mm x 86.8mm x 54.3mm)	Pick-Up Voltage Max.	
Replacement Relays	ZL-RELAY-24X4, Qty. 4/pkg		Off to On/On to Off Response Time	
Approvals	File # E157382 UL, cUL 508, CE, EN 61131-2:2007			
Cable/Wire Clearance	0.5" (12.7mm)			

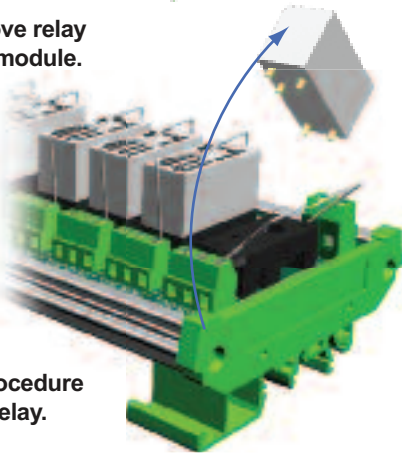
*Use conductors rated 60°/75°C for relay outputs.

Remove or Install Relay

1 Rotate retaining clip away from relay.



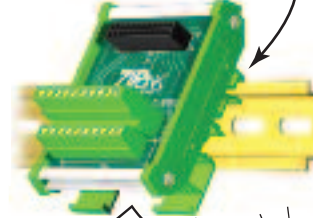
2 Remove relay from module.



Reverse procedure to replace relay.

DIN Rail Installation and Removal

To install ZIPLink module, insert upper tab into DIN rail.



Rotate until firmly seated

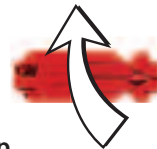
Click

Note: For cable/wire clearance requirements see specifications.



and locked on DIN rail.

To remove ZIPLink module, insert screwdriver between Tab 1 and module.



Pry up to release clip from DIN rail.

Tab 1

Tab 2

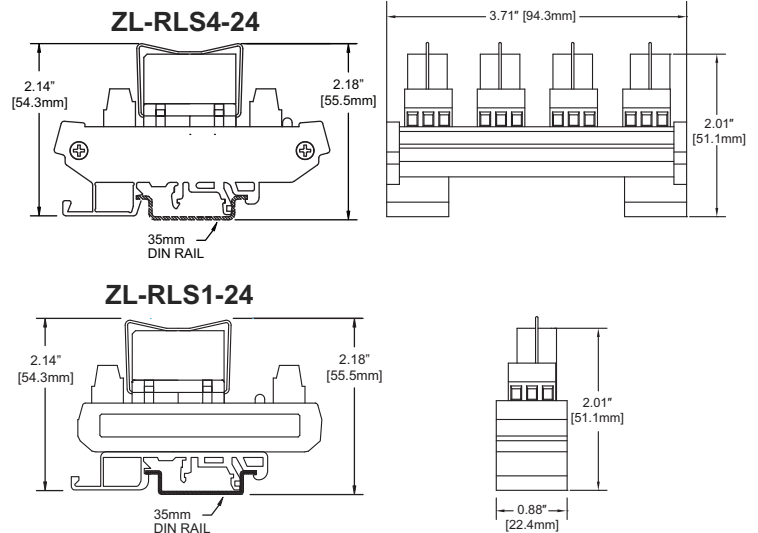
Repeat for Tab 2.

WARNING: To minimize the risk of potential safety problems, you should follow all applicable local and national codes that regulate the installation and operation of your equipment. These codes vary from area to area and it is your responsibility to determine which codes should be followed, and to verify that the equipment, installation, and operation are in compliance with the latest revision of these codes.

Equipment damage or serious injury to personnel can result from the failure to follow all applicable codes and standards. We do not guarantee the products described in this publication are suitable for your particular application, nor do we assume any responsibility for your product design, installation, or operation.

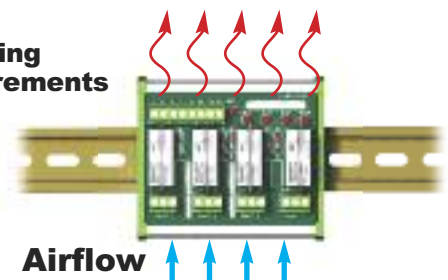
If you have any questions concerning the installation or operation of this equipment, or if you need additional information, please call Technical Support at 770-844-4200.

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ZL-RLS4-24 Heat Dissipation Mounting Orientation Requirements

Note: ZL-RLS1-24 does not have mounting orientation requirements.



Airflow

IMPORTANT! Mount Module horizontally to provide proper ventilation.