



# Detcon Model RL-4

## Addressable Relay Module

888-367-4286  
 281-367-4100  
 fax 281-292-2860  
[www.detcon.com](http://www.detcon.com)  
[sales@detcon.com](mailto:sales@detcon.com)

### Description

The Detcon RL-4 relay output module is a stand-alone serial addressable device. Each RL-4 has 4 assignable 5A relay contacts. It receives RS485 Modbus RTU commands that control the 4 relay outputs.

RL-4 Modules are din-rail mounted and stackable with slide-in connectors that bus the power and communication lines between modules. Modules are serially addressed using front panel switches and the LED flashes to demonstrate valid communications status. As serial devices, these RL-4 modules can be located virtually anywhere in a control system scheme.

The RL-4 module is powered by a 11.5-30 VDC input and its four relay contacts are rated for 5A at 30 VDC and 250 VAC. The relay contacts are single pole double-throw. Each module is designed with integral protection from voltage and current spikes found in typical industrial environments.

The RL-4 relay output module can be combined with Detcon's DA-4 (4-20 mA input), AO-4 (4-20 mA output) and DI-4 (contact input) line of I/O modules to create a rugged and reliable control system. Control System designs using the Detcon line of I/O modules are low-cost and simplified. They provide seamless expandability and simplified field wiring for low-cost installations.



## Specifications

### Capacity

4 Relay Output Contacts

### Inputs

Non-Proprietary RS-485 Modbus™ RTU

### Outputs

Quantity 4  
 Form C Single Pole Double Throw Contacts  
 Rated for 5A at 30 VDC and 250 VAC

### Communications

9600 Baud, 8 Data Bits, No Parity, 1 Stop Bit  
 Other Baud Rate and Parity Optional

### Input Voltage

11.5-30 VDC

### Power Consumption

<3 Watts @ 24 VDC

### Dimensions

4.5"H x 4"D x 0.7"W

### Mounting

35 x 7.5 mm Din Rail Standard

### Electrical Classification

NEMA 1

### Warranty

One Year

## Features

- ☑ Modular Din-rail Mounted Package
- ☑ Stackable Design with Integrated Bus for Communications and Power
- ☑ Serial Addressable Modules
- ☑ RS485 Modbus RTU Platform
- ☑ 4 Relay Outputs per RL-4 module
- ☑ Relays rated 5 Amps at 30VDC and 250 VAC
- ☑ Single Pole Double Throw Relay Contacts.
- ☑ Input Protection from Voltage and Current Spikes

## Order Guide

- Model RL-4 Addressable 4 Relay Output Module #975-041400-000
- Din Rail End Spacer (2 per module grouping) #306-290876-000
- 5 Position Interface Plug (1 per module grouping) #306-189320-300

